

Program Complot
(Version 2021-1)

by

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(Present Contact Information)

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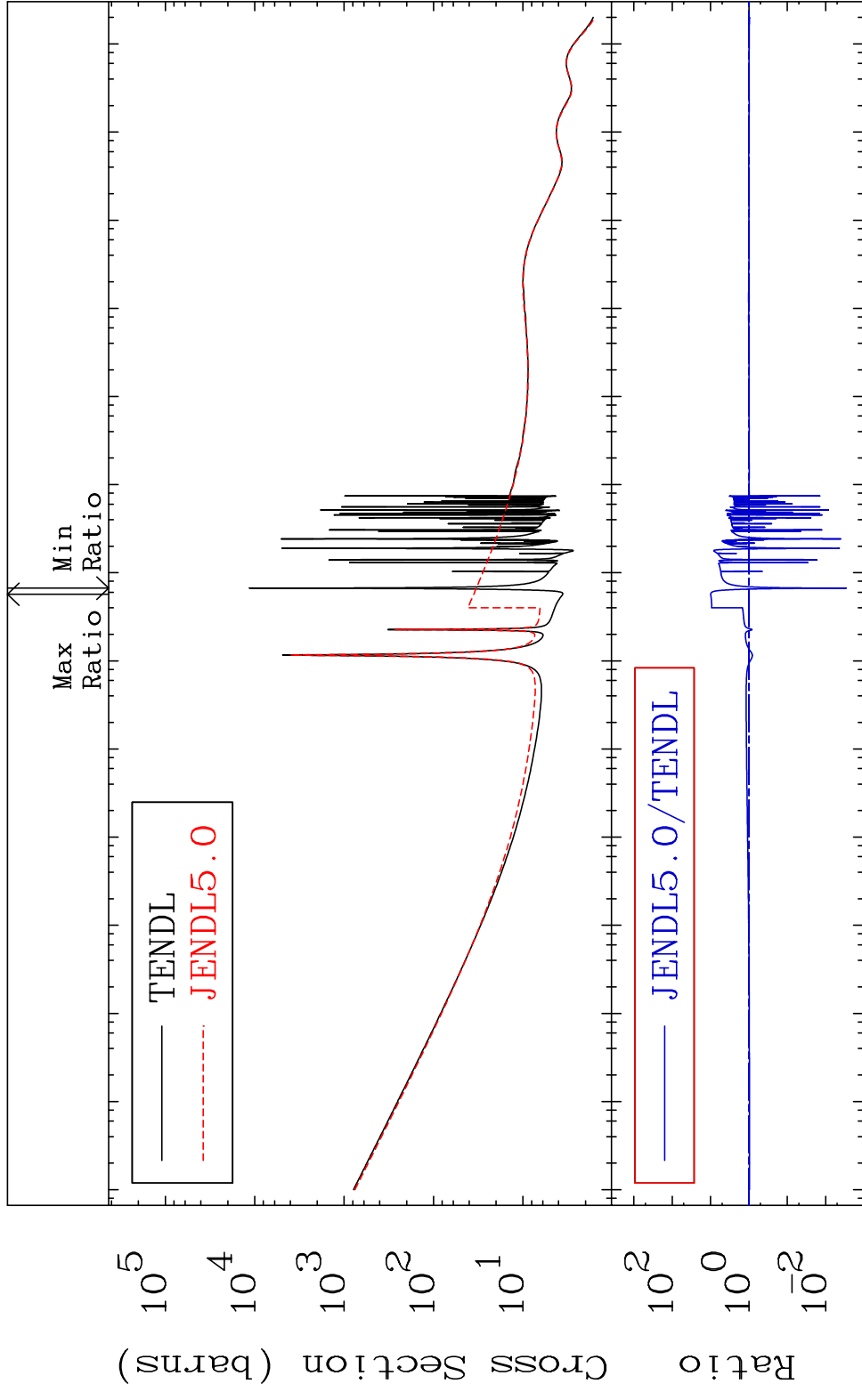
Press Mouse Button to Start

MAT 4128

41-Nb-94

Total

Cross Section -99.71 To 888.8 %



10⁵ 10⁴ 10³ 10² 10¹ 10⁰ 10⁻¹ 10⁻² 10⁻³ 10⁻⁴ 10⁻⁵

10⁸ 10⁷ 10⁶ 10⁵ 10⁴ 10³ 10² 10¹ 10⁰ 10⁻¹ 10⁻² 10⁻³ 10⁻⁴ 10⁻⁵

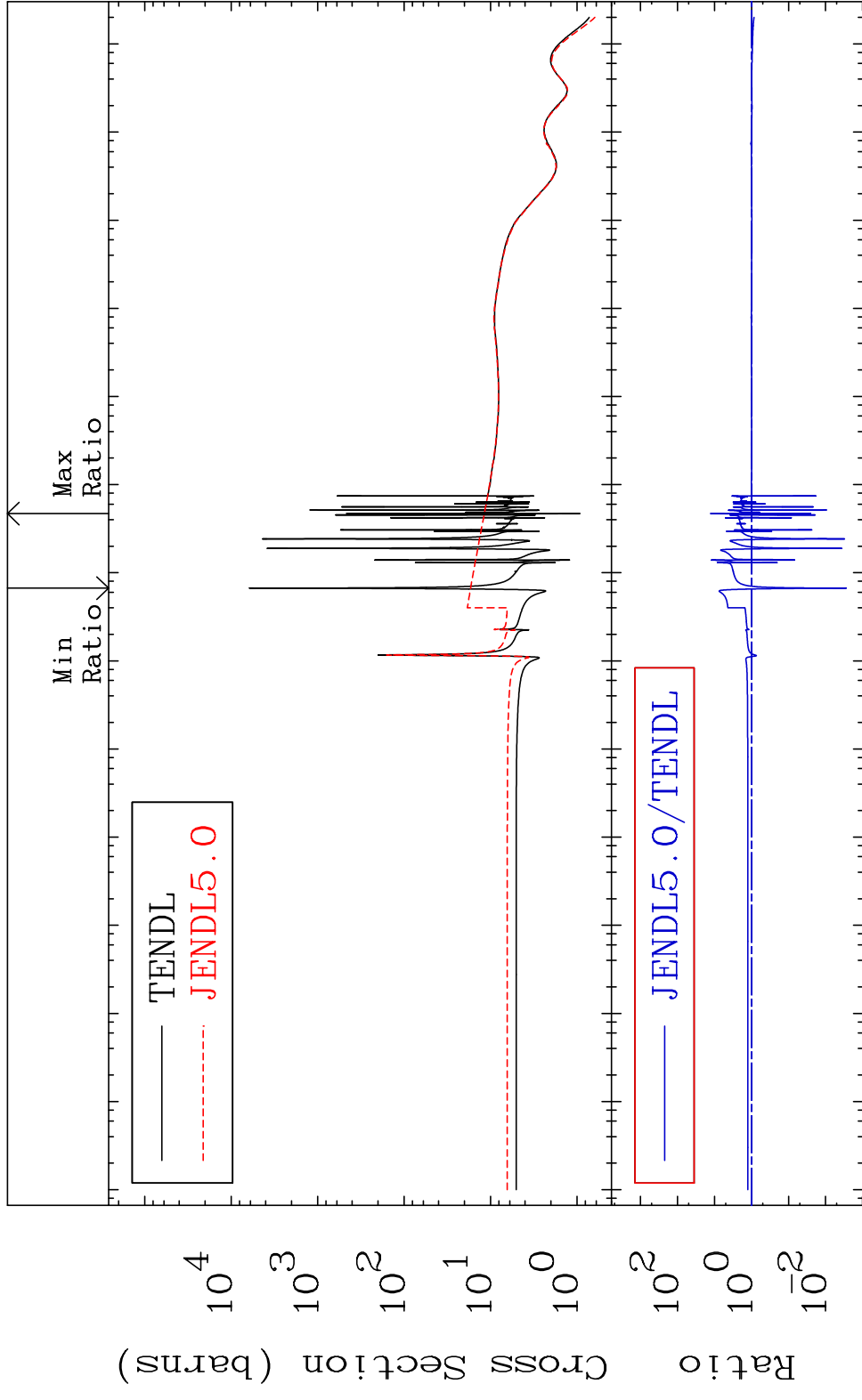
1 Incident Energy (eV) 41-Nb-94

MAT 4128

41-Nb-94

Elastic

Cross Section -99.72 To 1170. %



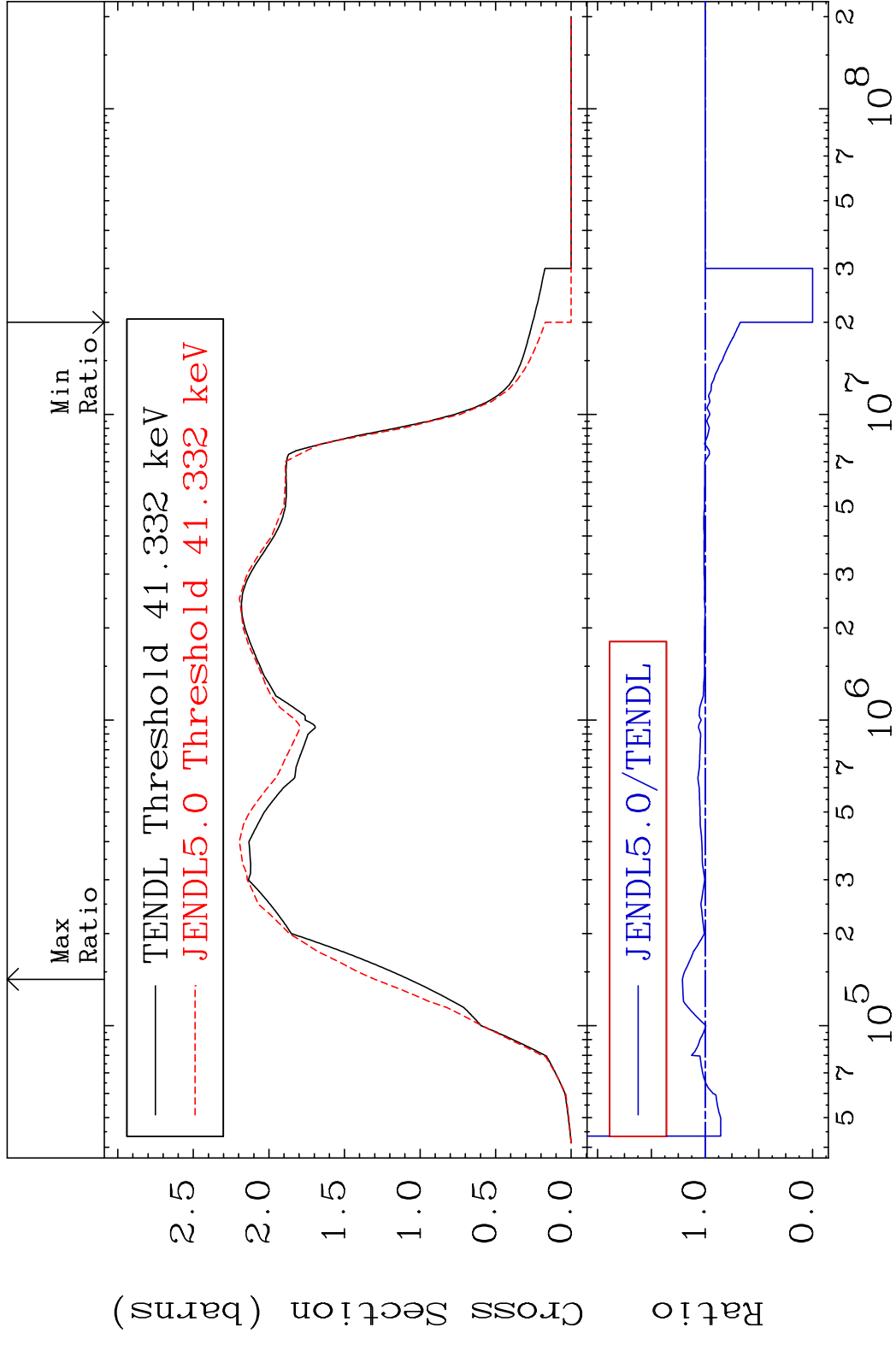
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

41-Nb-94

MAT 4128 Inelastic 41-Nb-94
 Cross Section -100.0 To 21.18 %

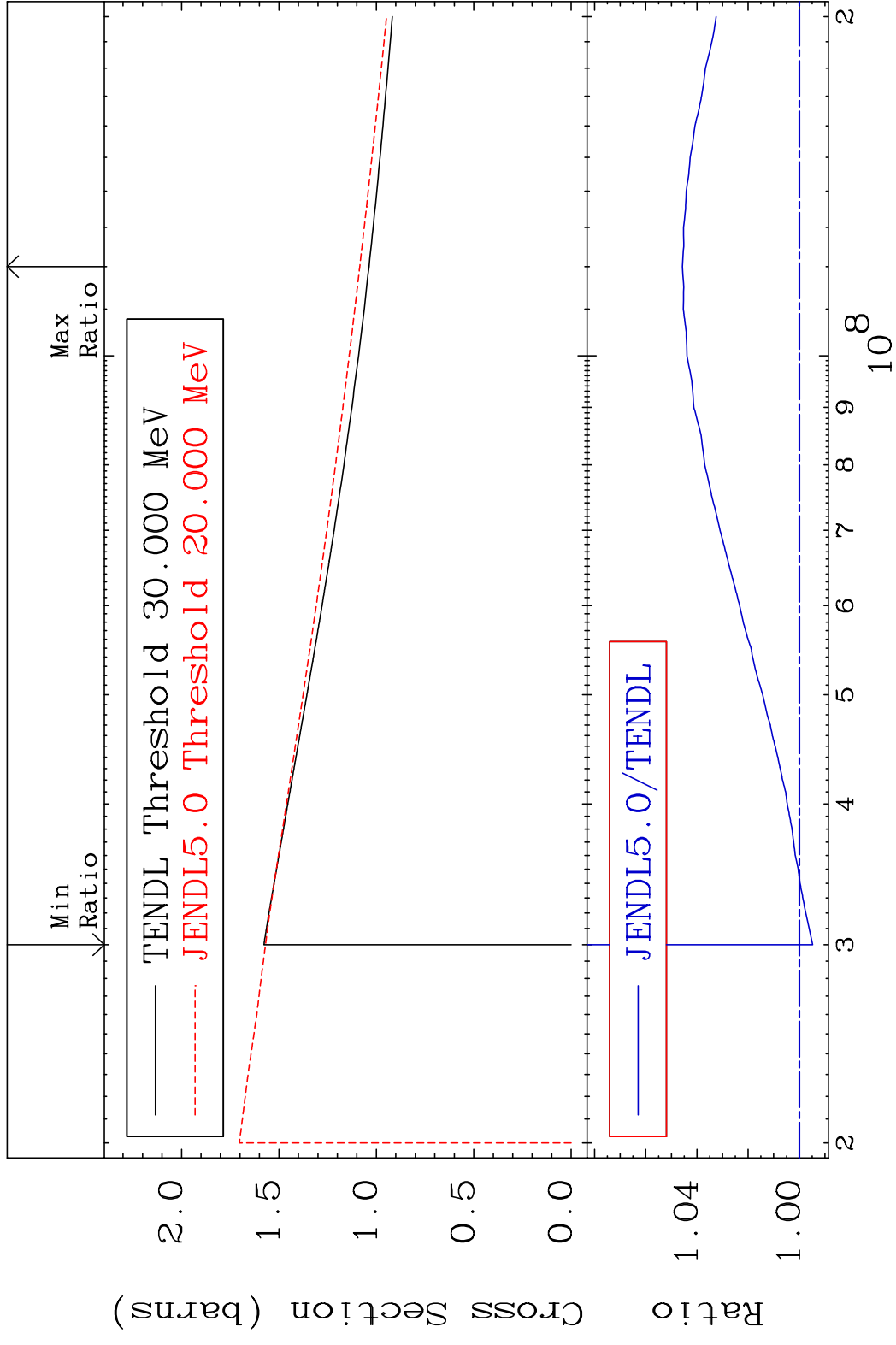


MAT 4128

(n, remainder)

41-Nb-94

Cross Section -0.517 To 4.570 %

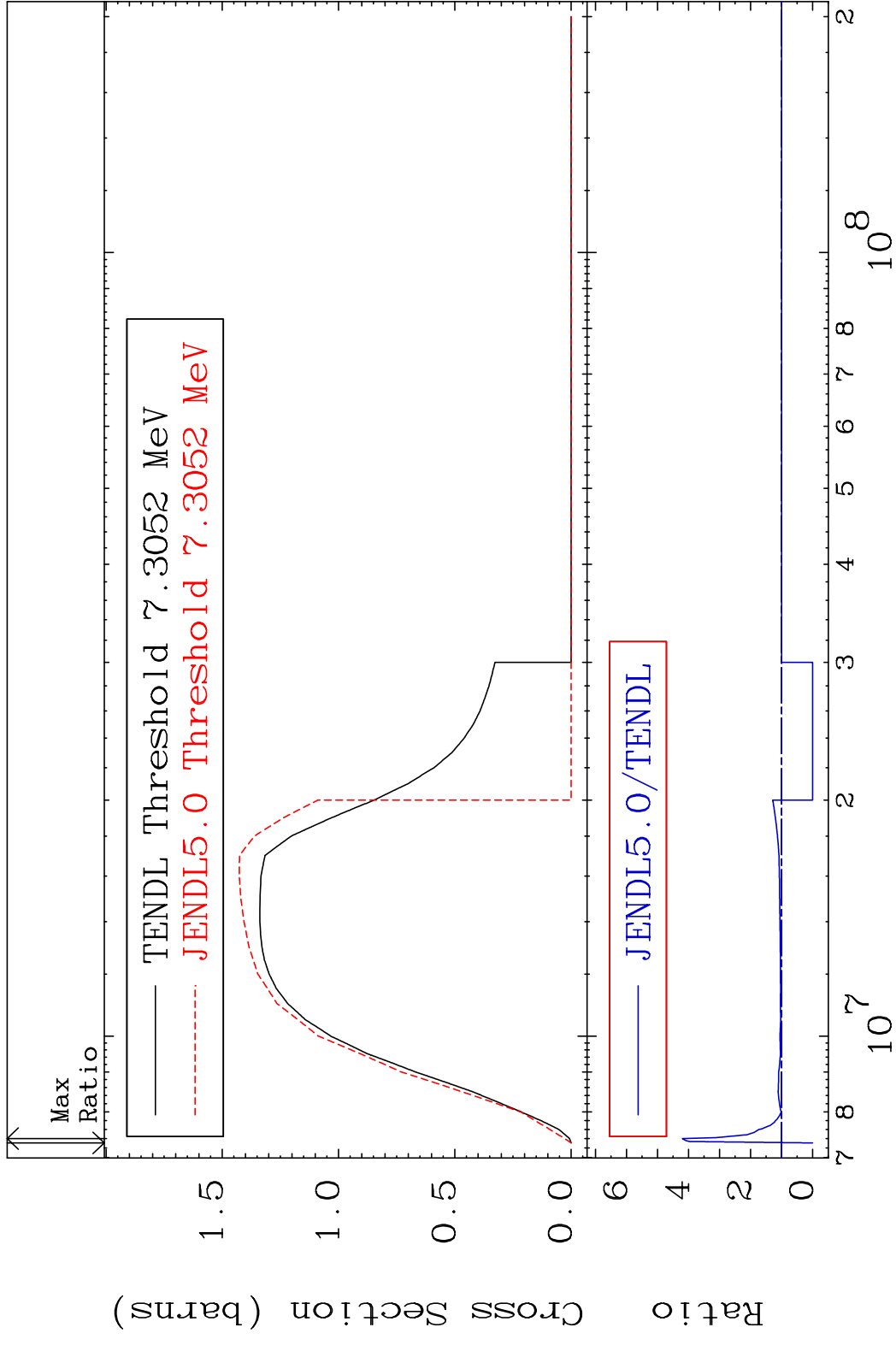


4

Incident Energy (eV)

41-Nb-94

MAT 4128 (n,2n) 41-Nb-94
 Cross Section -100.0 To 320.1 %



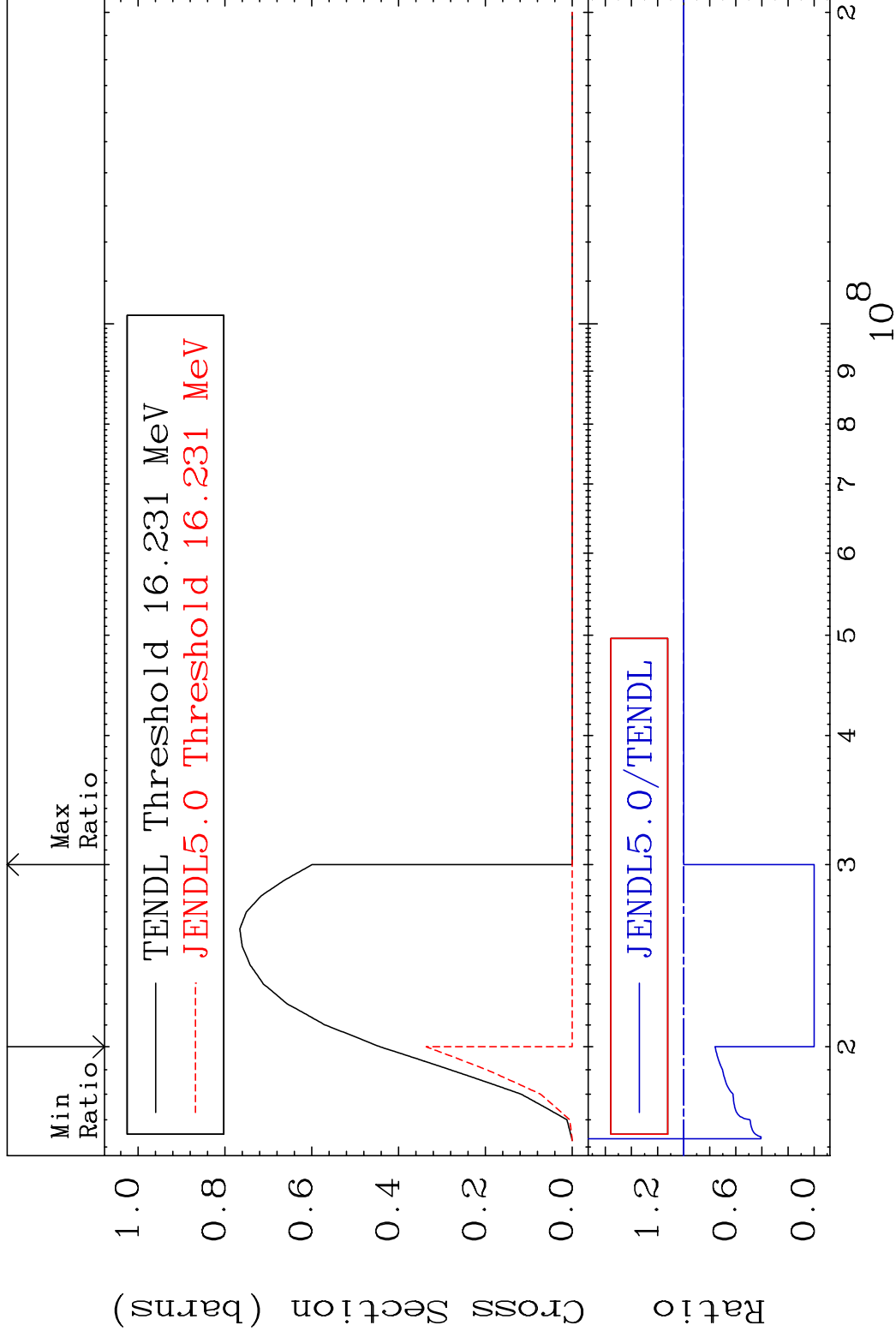
5 Incident Energy (eV) 41-Nb-94

MAT 4128

(n,3n)

41-Nb-94

Cross Section -100.0 To 0.000 %



6

Incident Energy (eV)

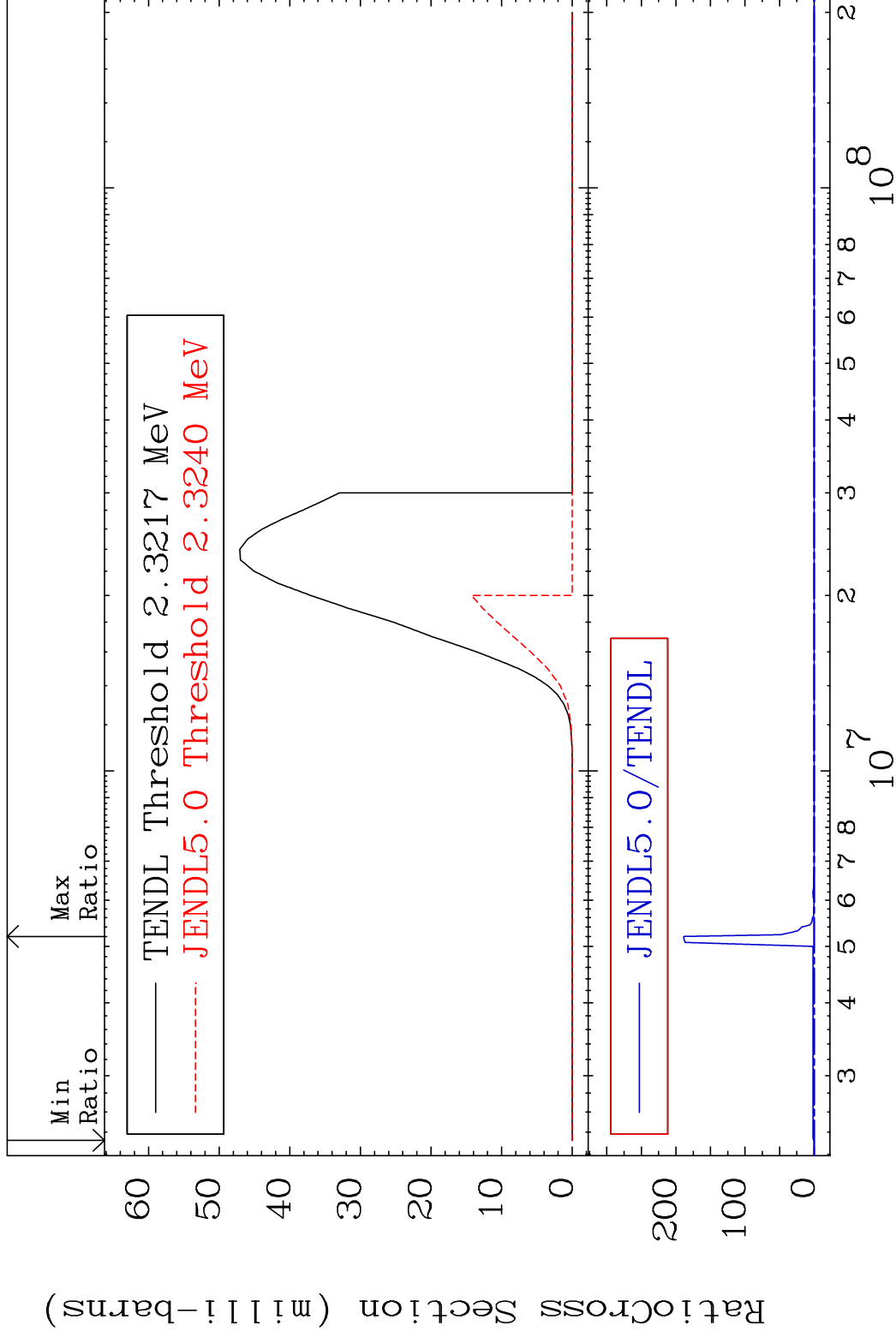
41-Nb-94

MAT 4128

(n, n') α

41-Nb-94

Cross Section -100.0 To 9999. %

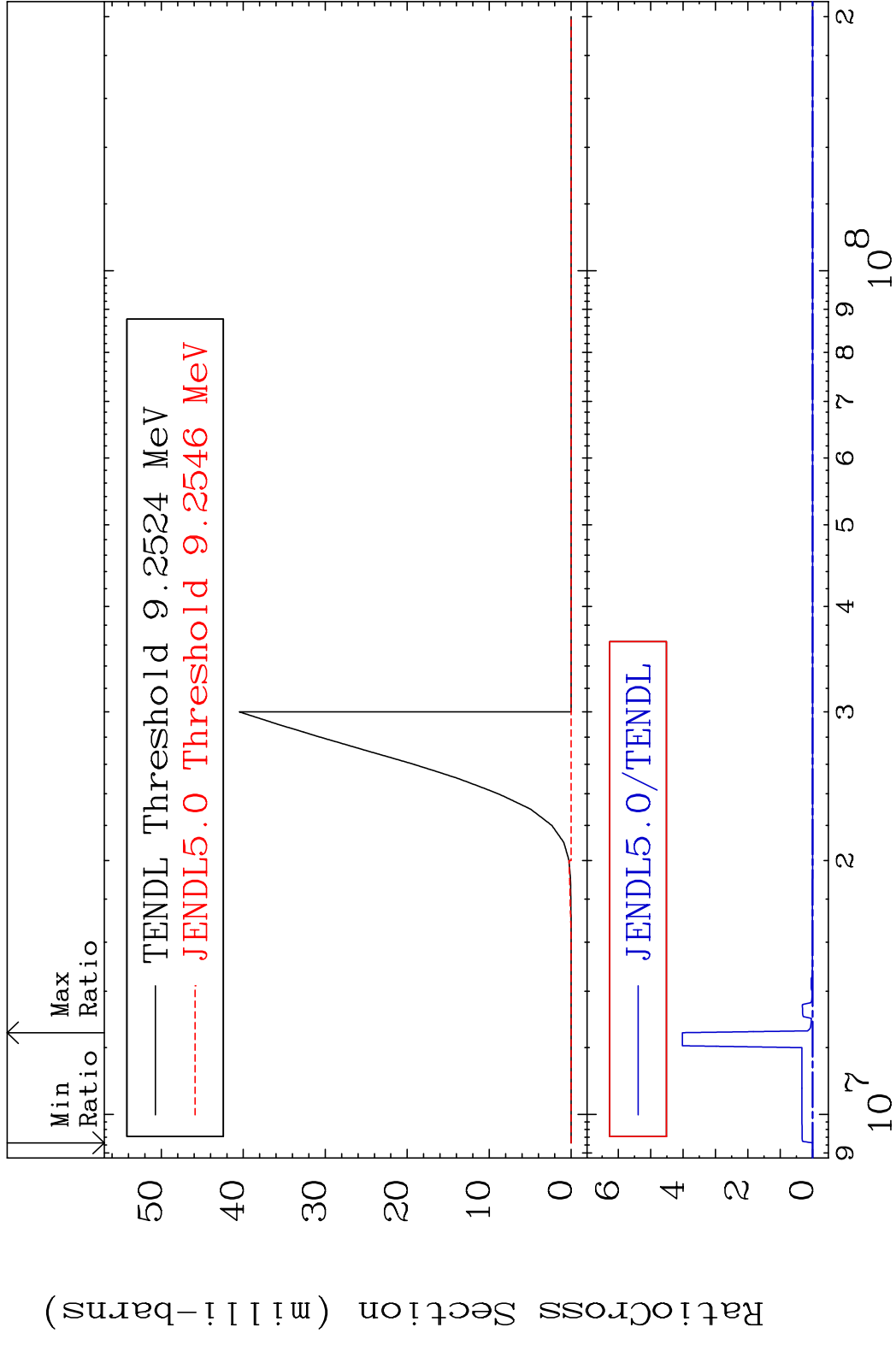


7

Incident Energy (eV)

41-Nb-94

MAT 4128 (n,2n) α 41-Nb-94
 Cross Section -100.0 To 9999. %



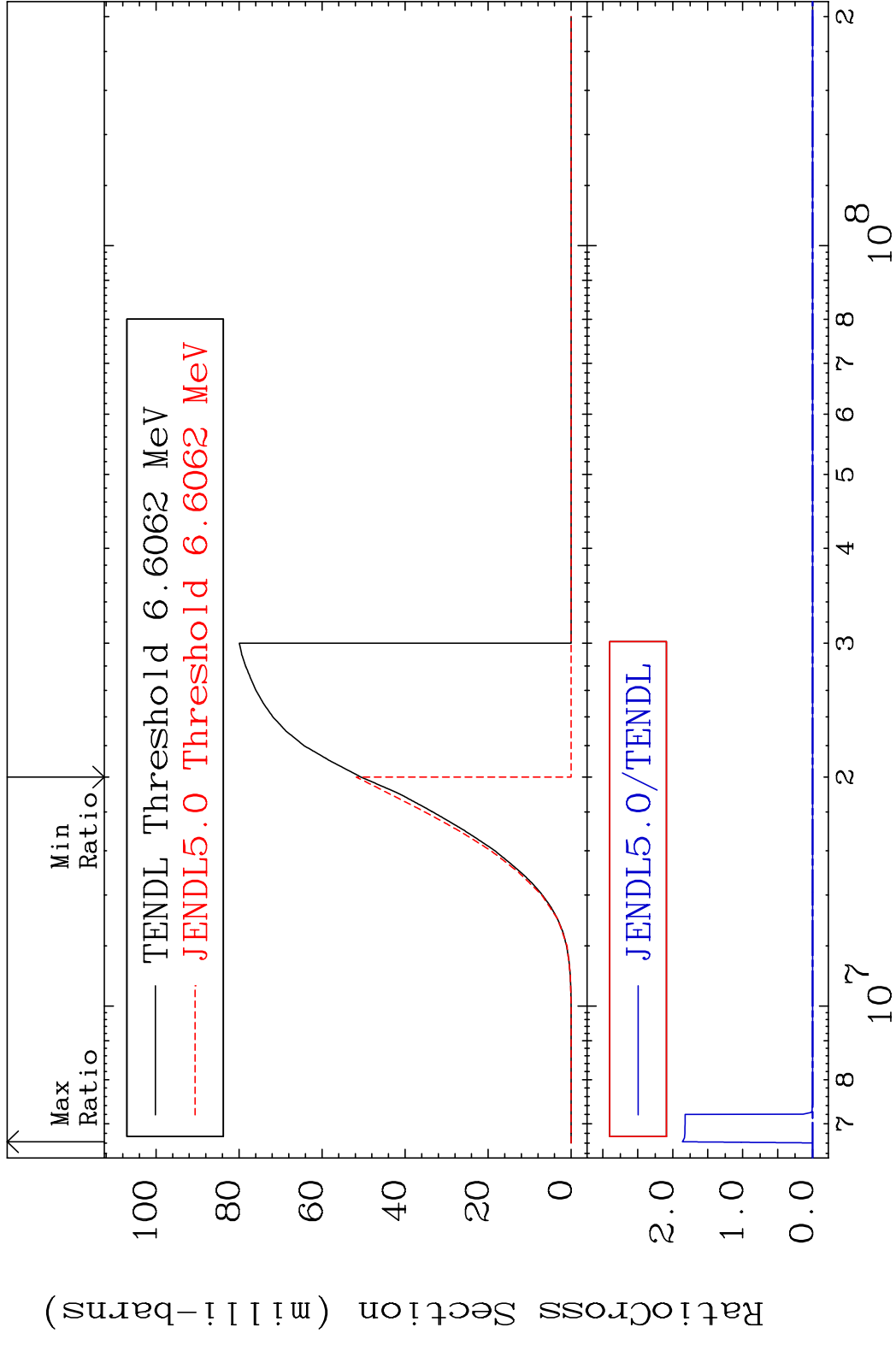
8 9 10⁷ 2 3 4 5 6 7 8 9 10⁸ 2 41-Nb-94

MAT 4128

(n, n') p

41-Nb-94

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

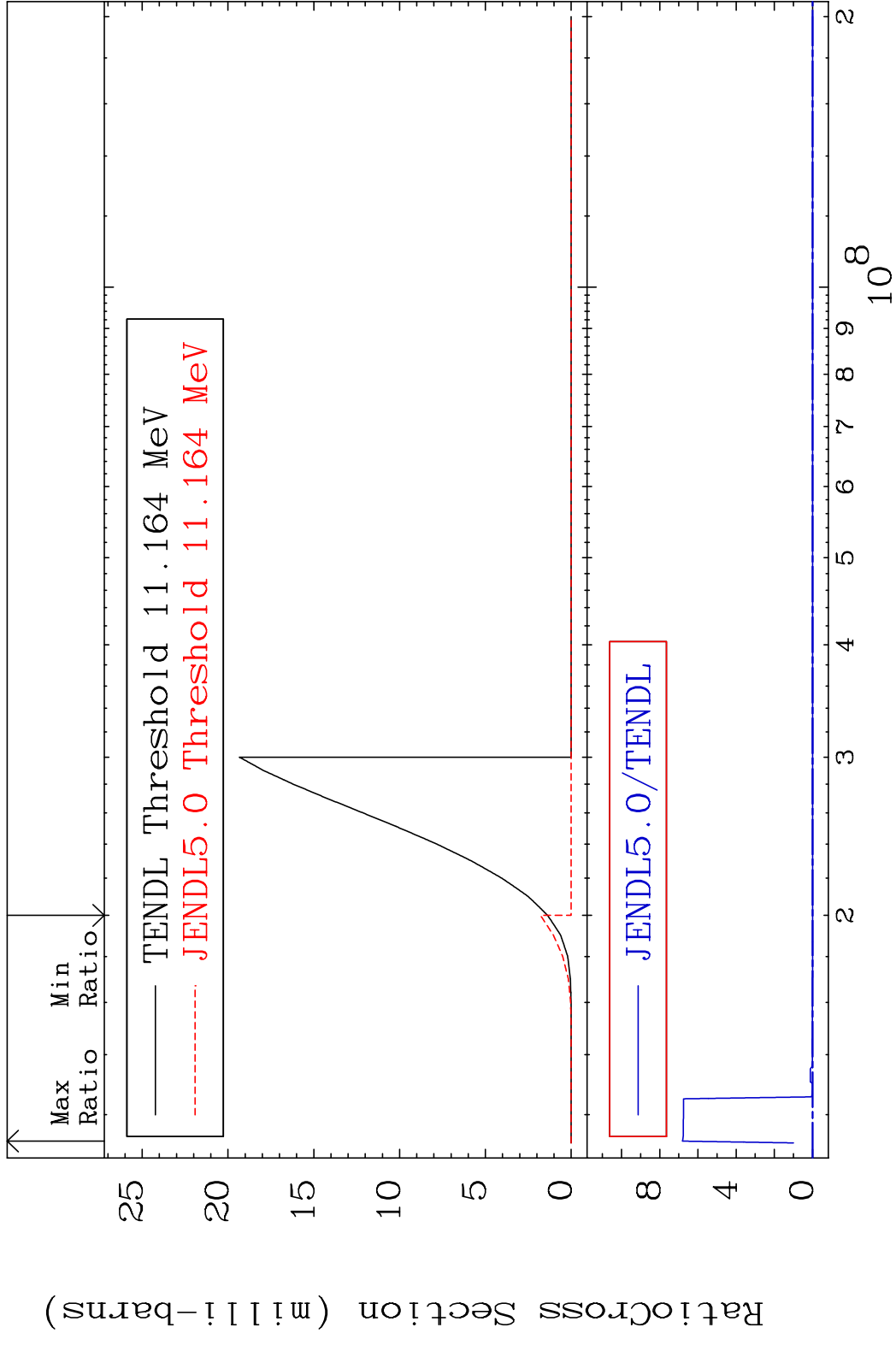
41-Nb-94

MAT 4128

(n, n') d

41-Nb-94

Cross Section -100.0 To 9999. %

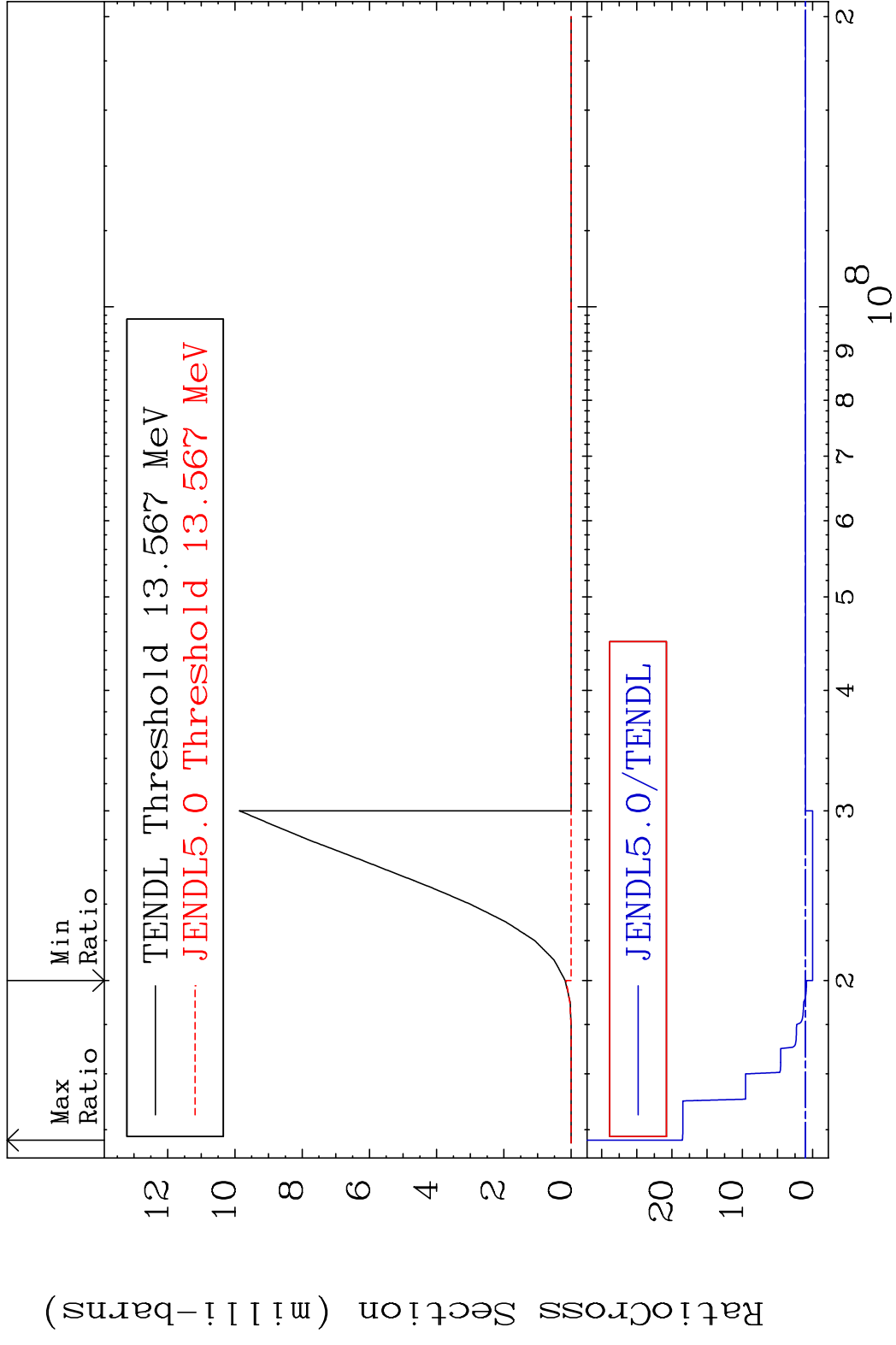


10

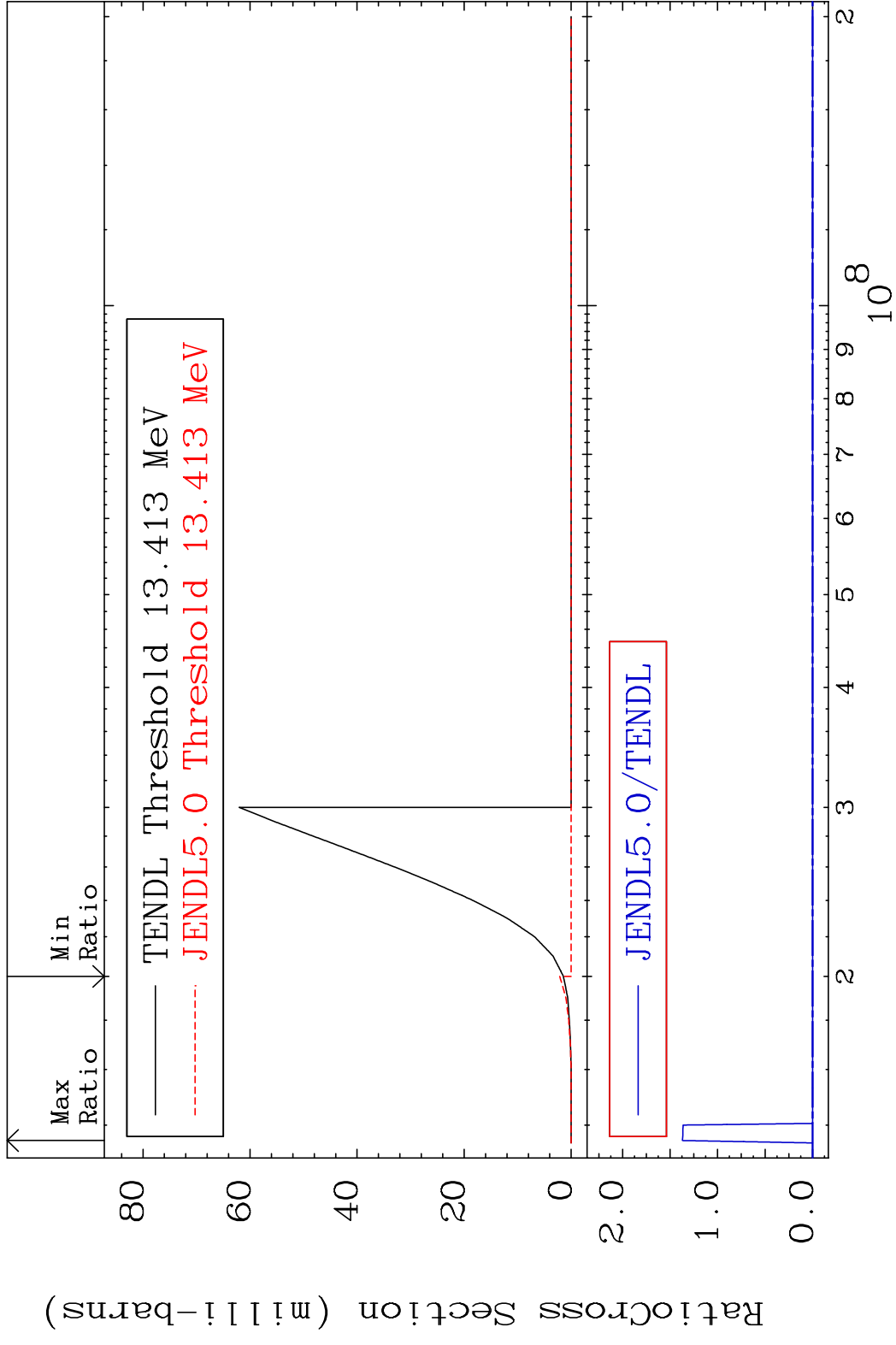
Incident Energy (eV)

41-Nb-94

MAT 4128 (n, n') t 41-Nb-94
 Cross Section -100.0 To 1752. %

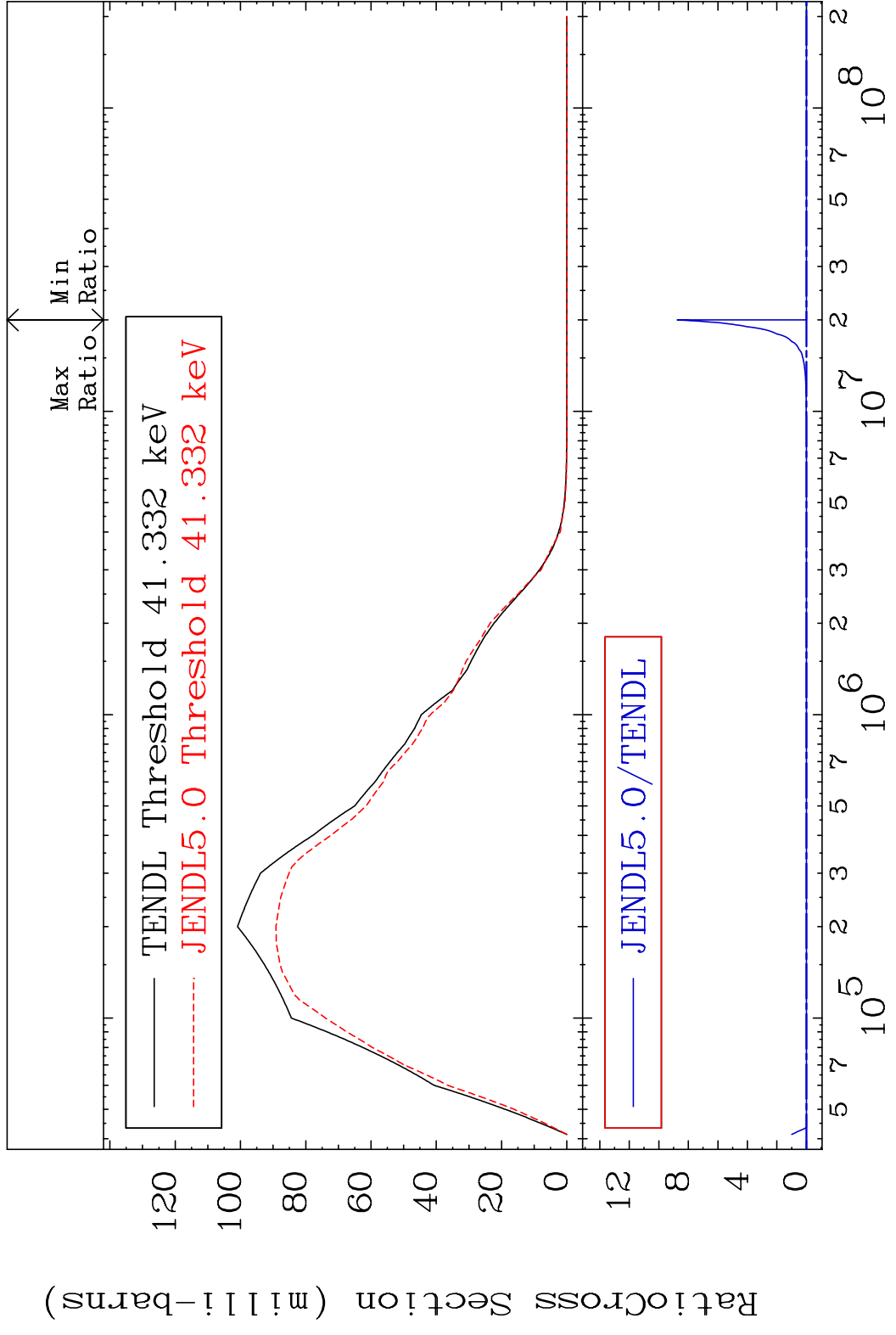


MAT 4128 (n,2n) p 41-Nb-94
 Cross Section -100.0 To 9999. %

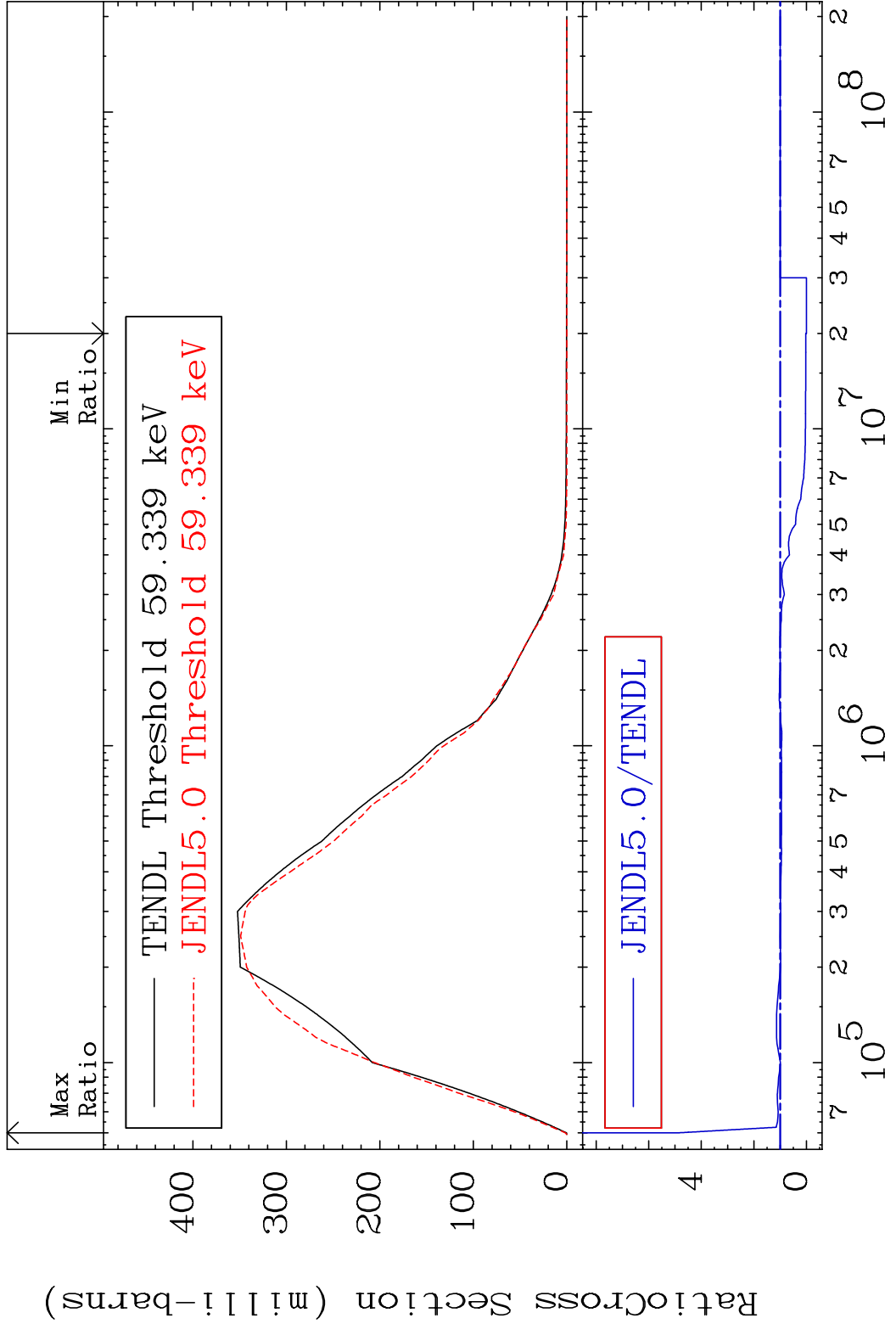


12 Incident Energy (eV) 41-Nb-94

MAT 4128 MT= 51 (n,n') Level 41-Nb-94
 Cross Section -100.0 To 9999. %

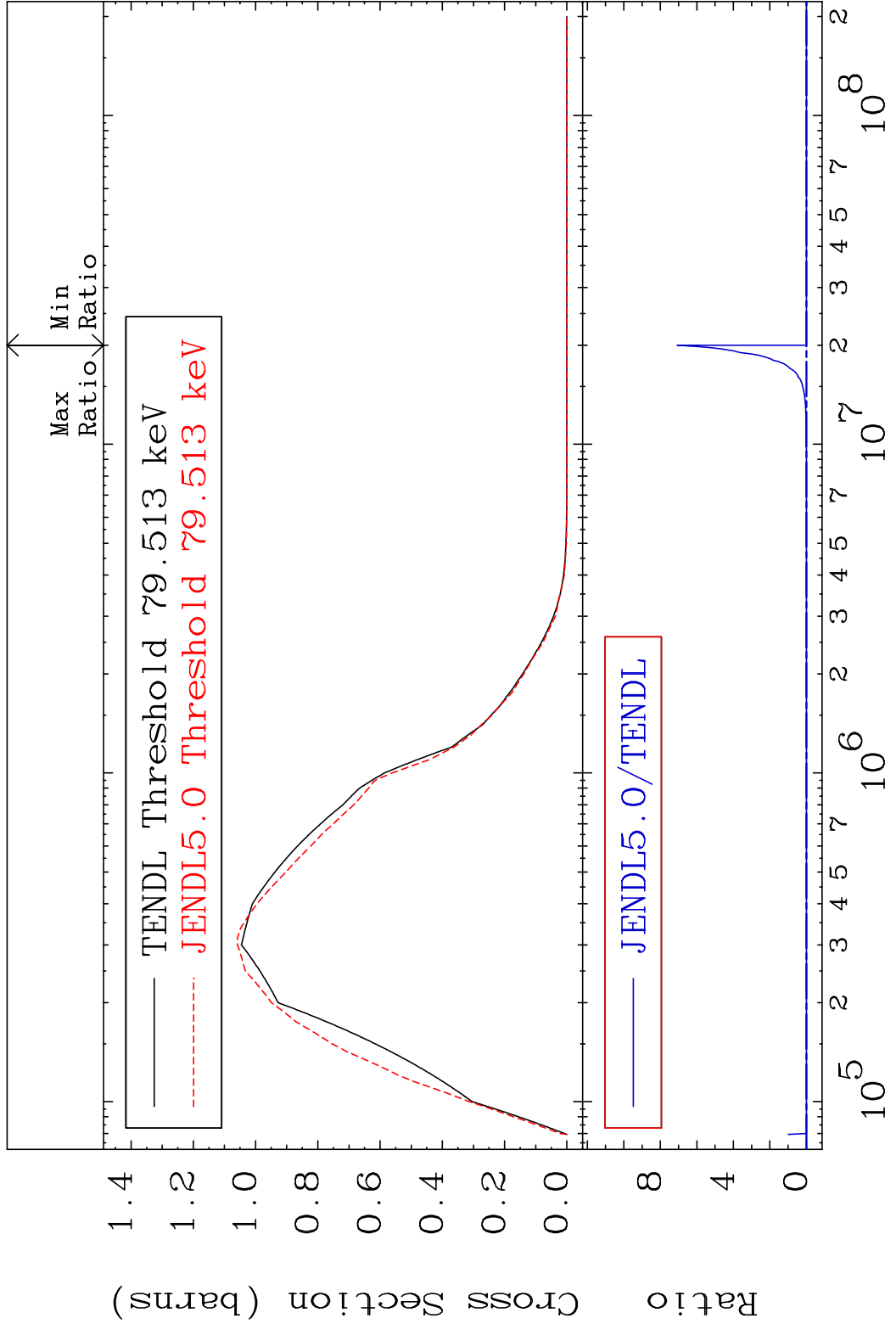


MAT 4128 MT= 52 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 391.8 %



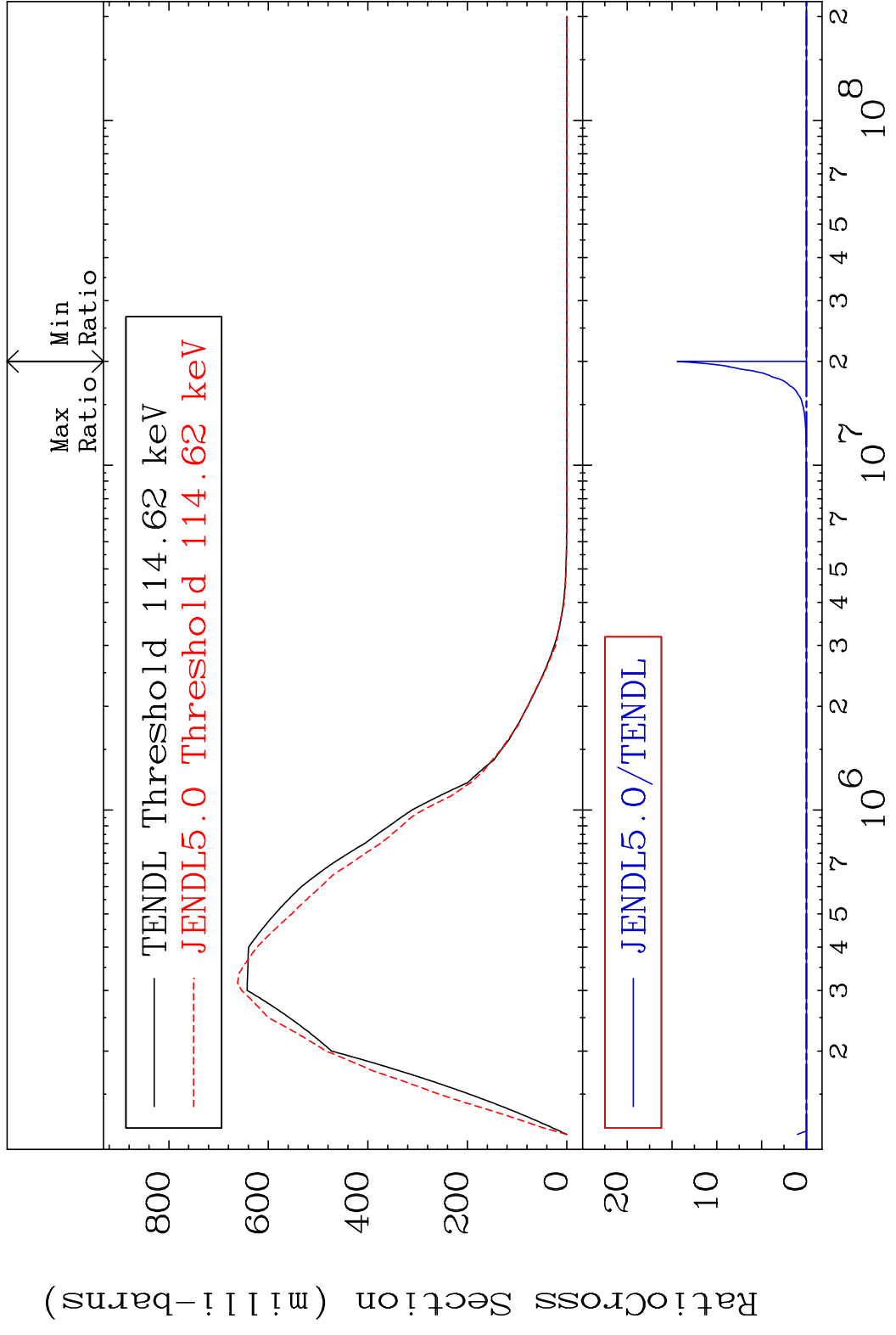
14 Incident Energy (eV) 41-Nb-94

MAT 4128 MT= 53 (n,n') Level 41-Nb-94
 Cross Section -100.0 To 9999. %

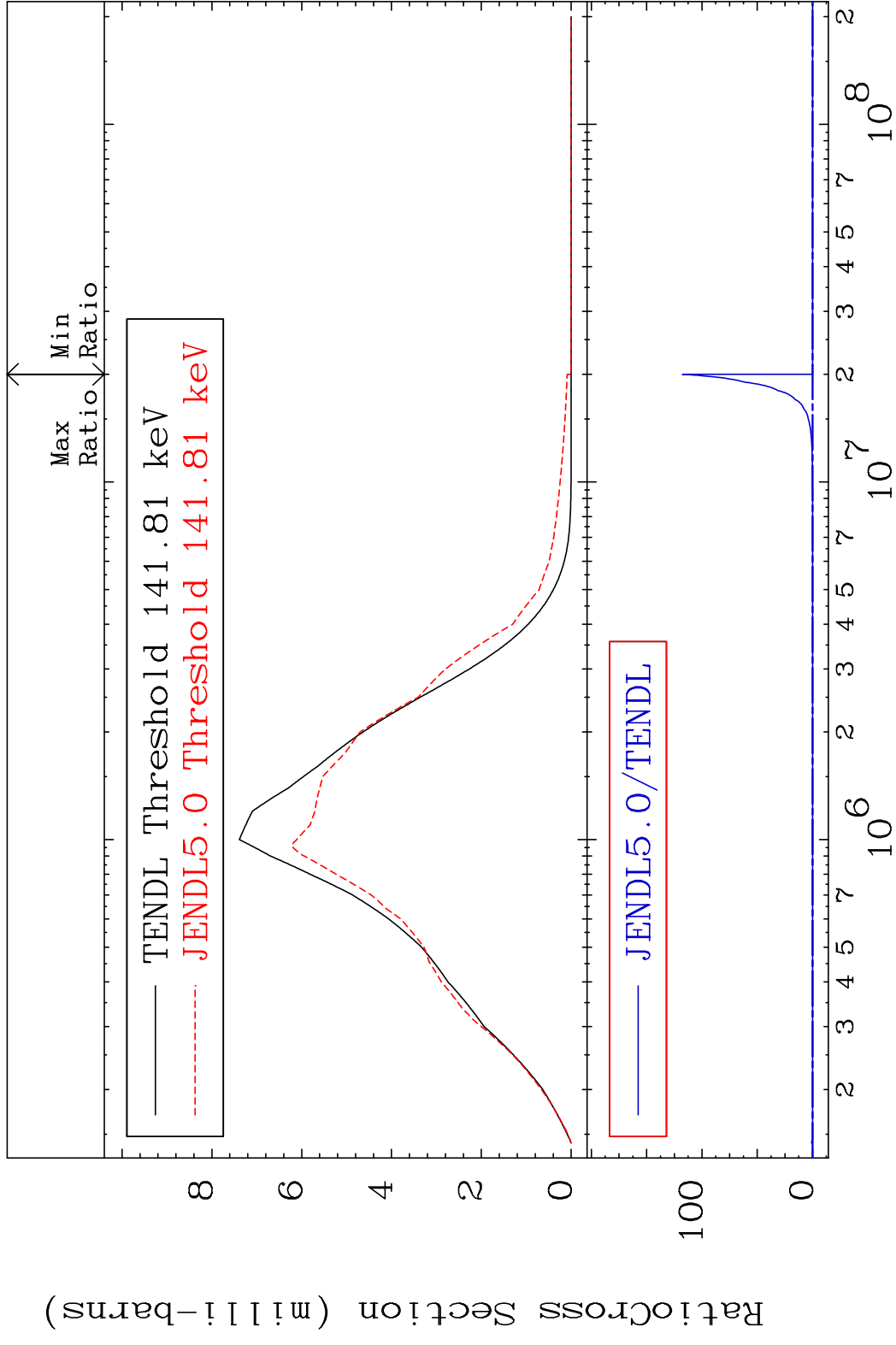


15 Incident Energy (eV) 41-Nb-94

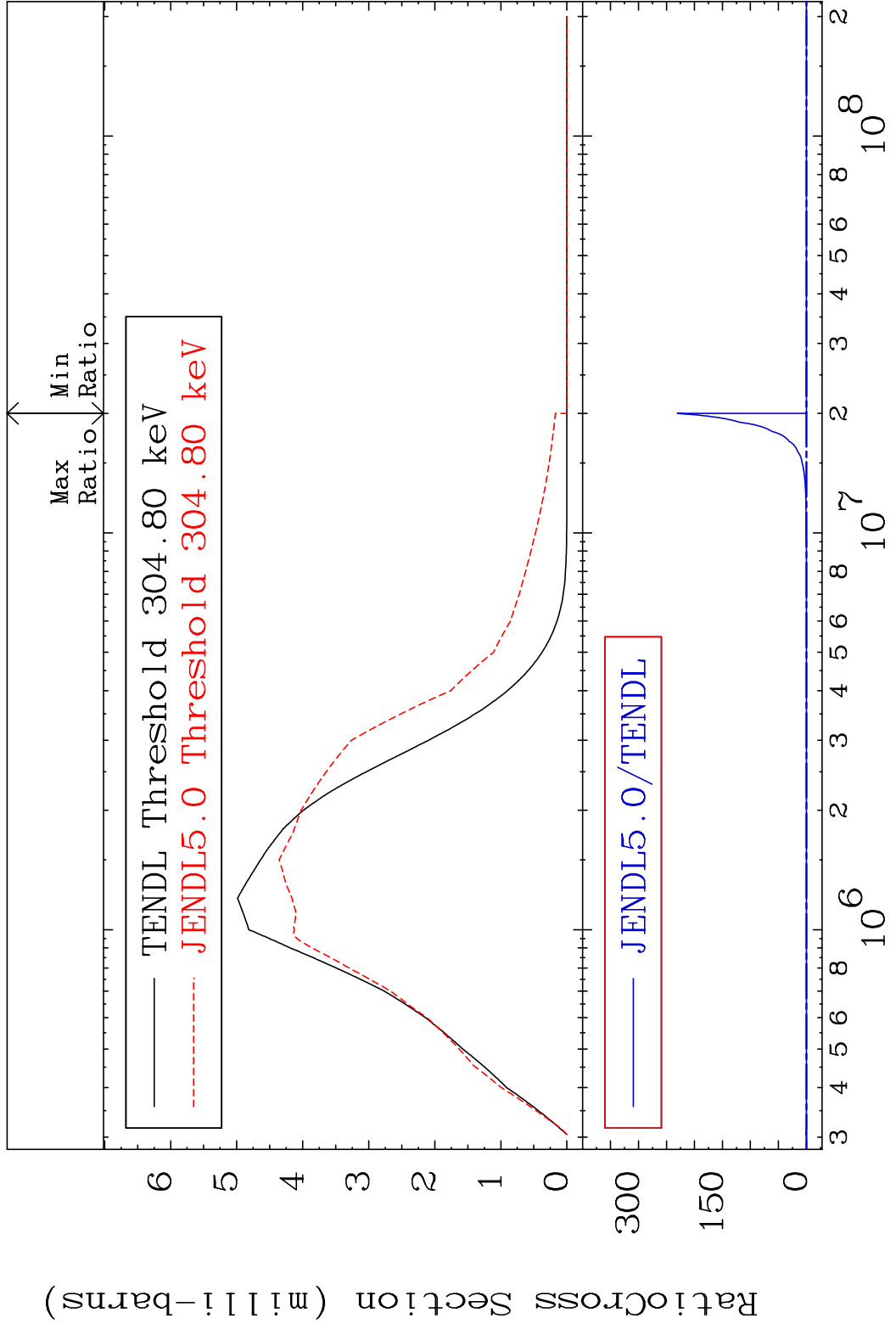
MAT 4128 MT= 54 (n,n') Level 41-Nb-94
 Cross Section -100.0 To 9999. %



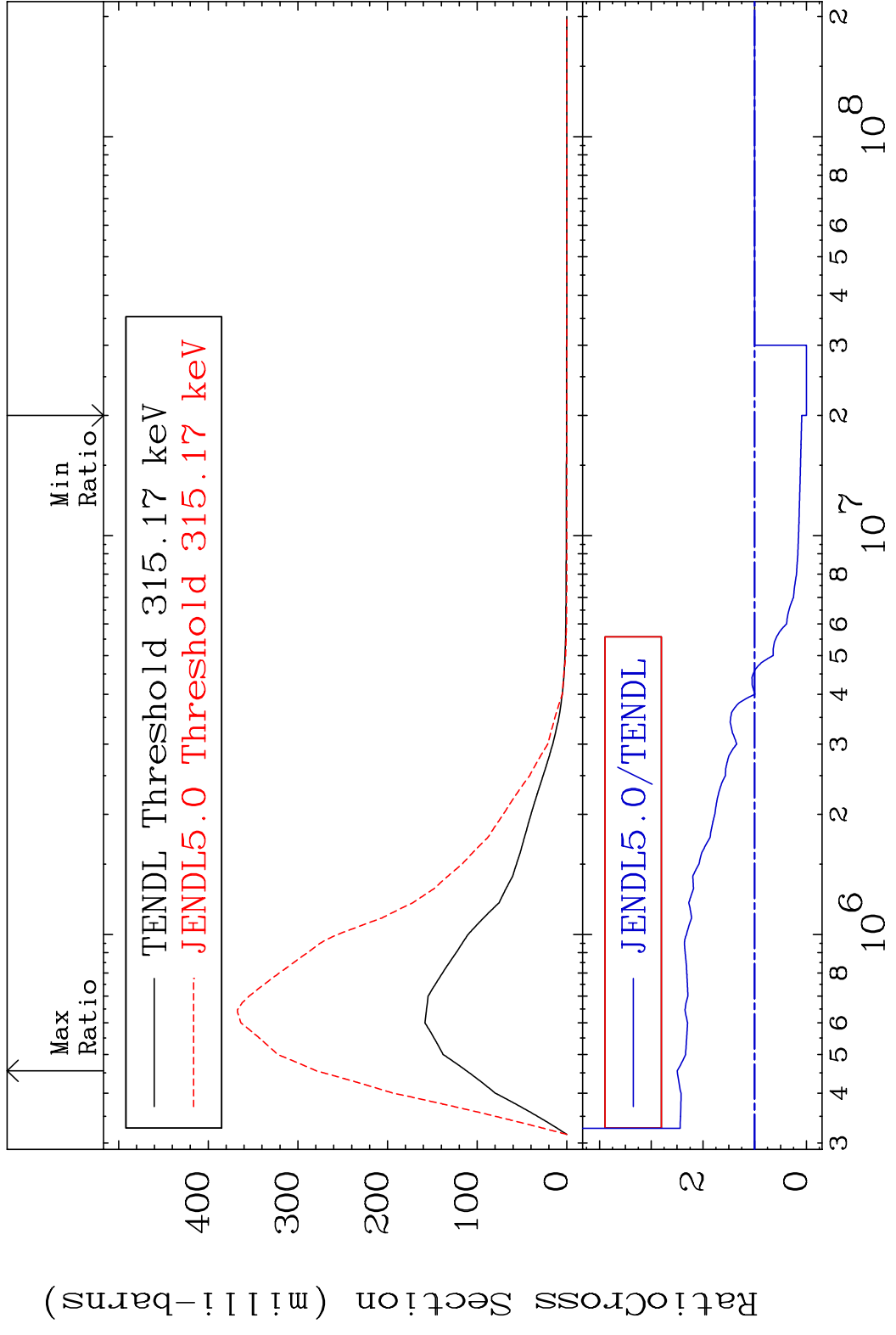
MAT 4128 MT= 55 (n,n') Level 41-Nb-94
 Cross Section -100.0 To 9999. %



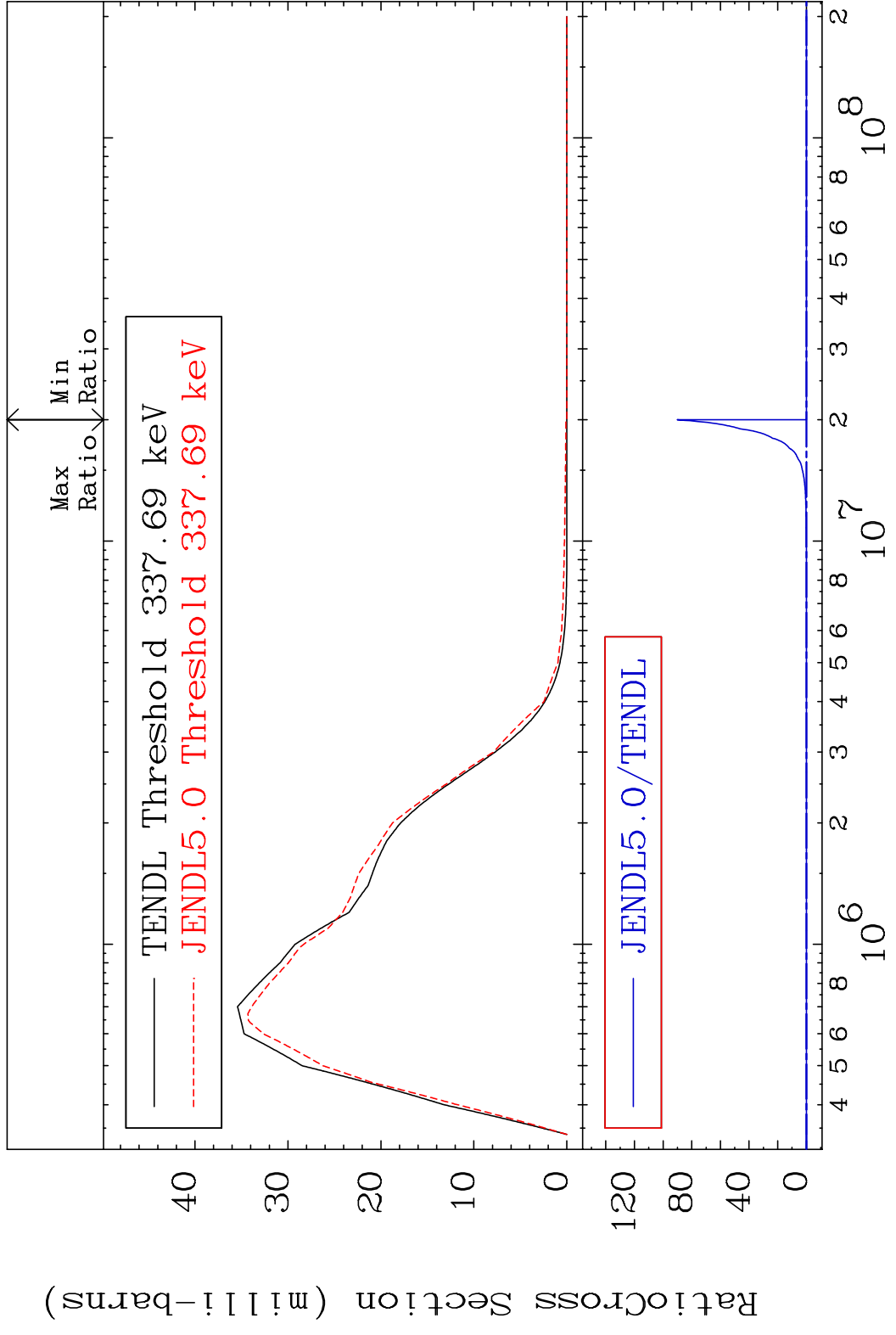
MAT 4128 MT= 56 (n,n') Level 41-Nb-94
 Cross Section -100.0 To 9999. %



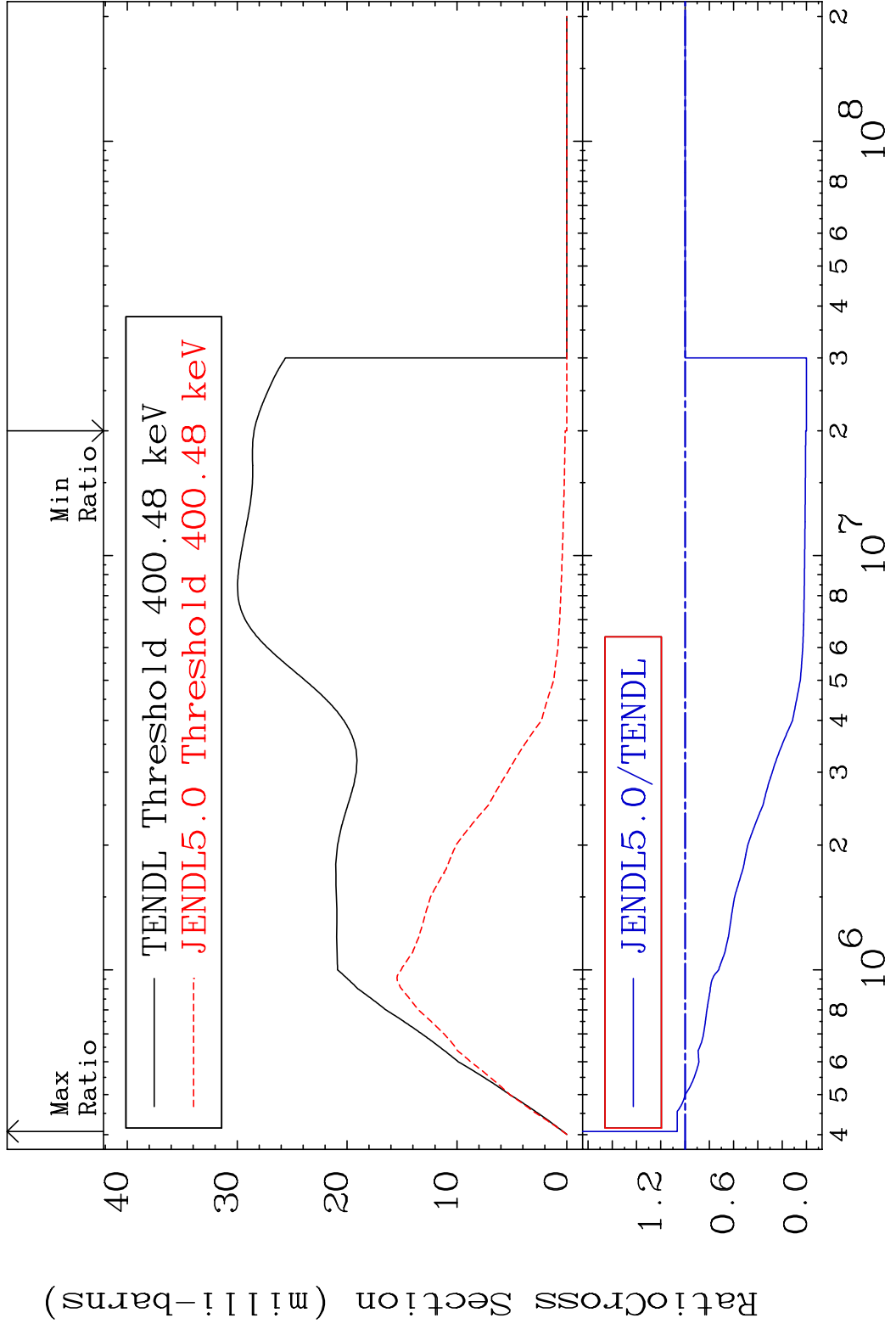
MAT 4128 MT= 57 (n,n') Level 41-Nb-94
 Cross Section -100.0 To 149.8 %



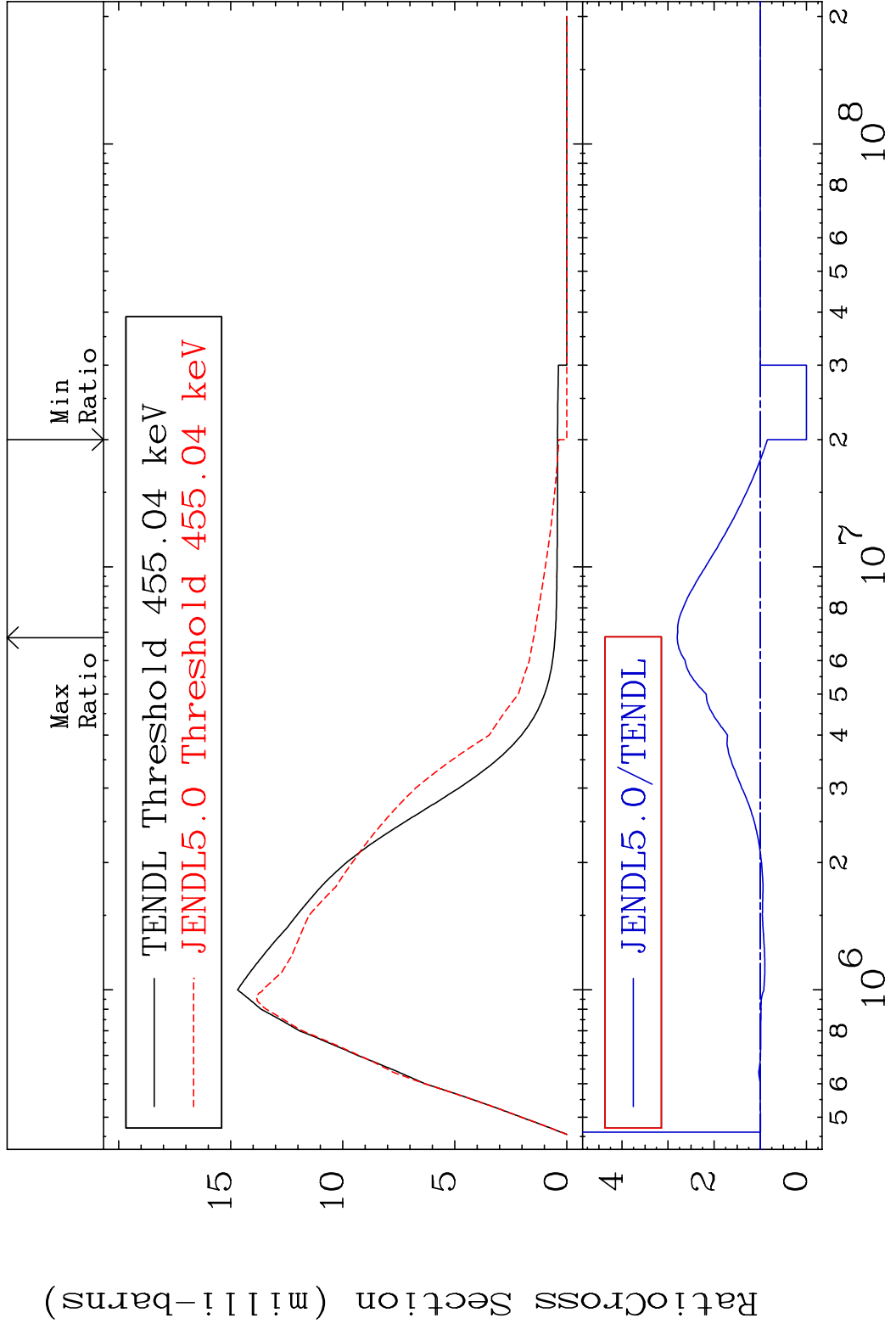
MAT 4128 MT= 58 (n,n') Level 41-Nb-94
 Cross Section -100.0 To 9999. %



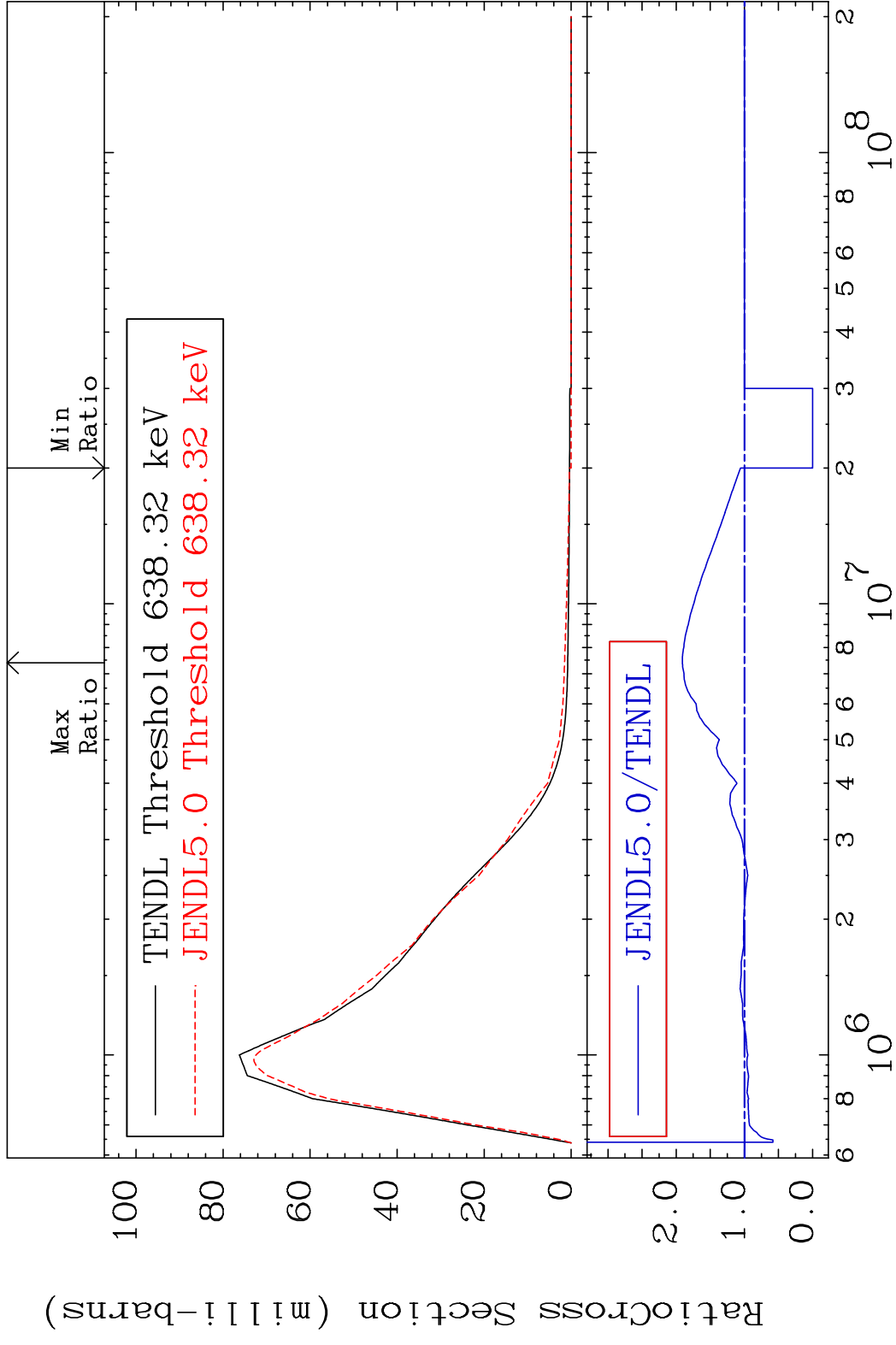
MAT 4128 MT= 59 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 6.489 %



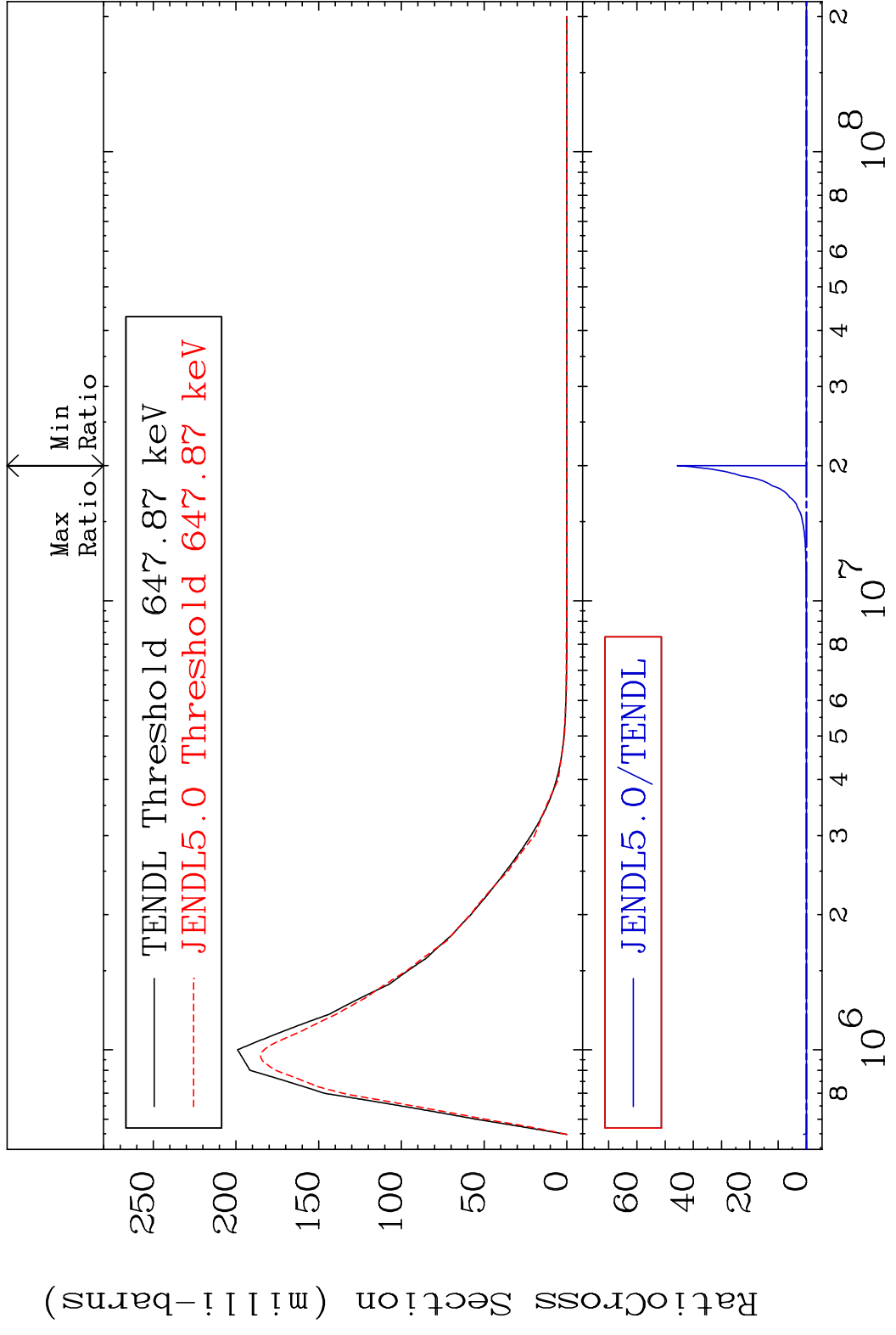
MAT 4128 MT= 60 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 180.2 %



MAT 4128 MT= 61 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 90.93 %

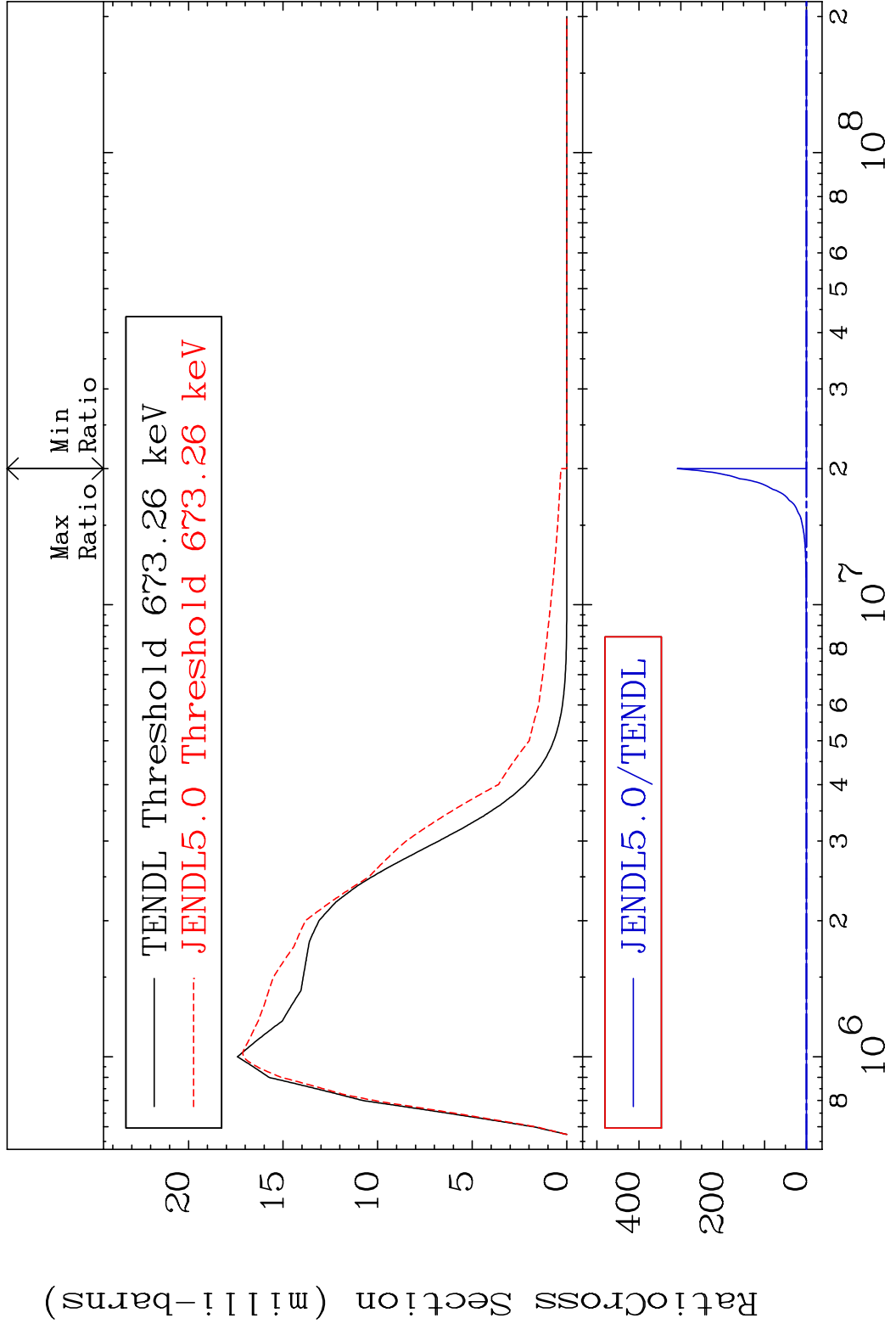


MAT 4128 MT= 62 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 9999. %



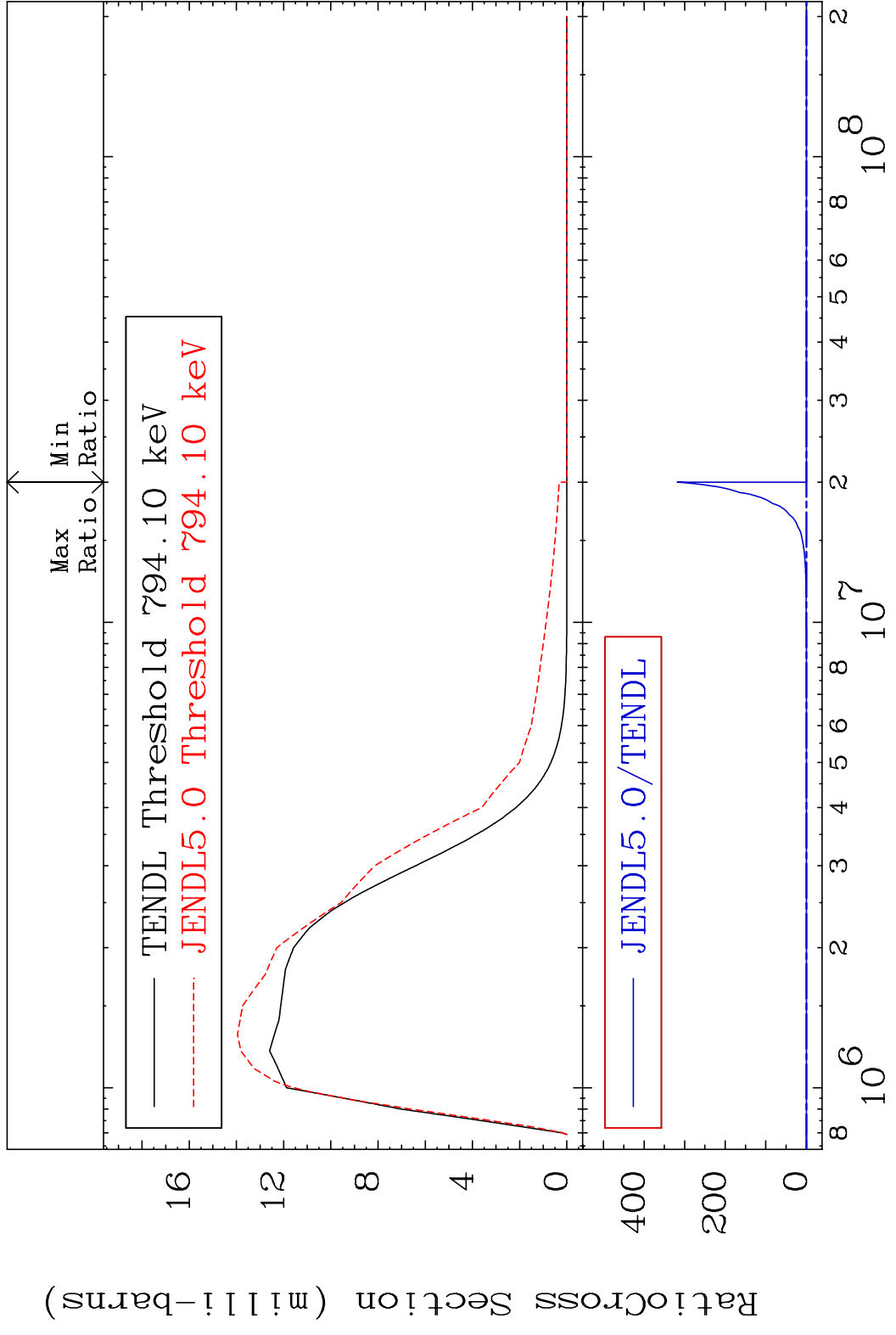
24 Incident Energy (eV) 41-Nb-94

MAT 4128 MT= 63 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 9999. %



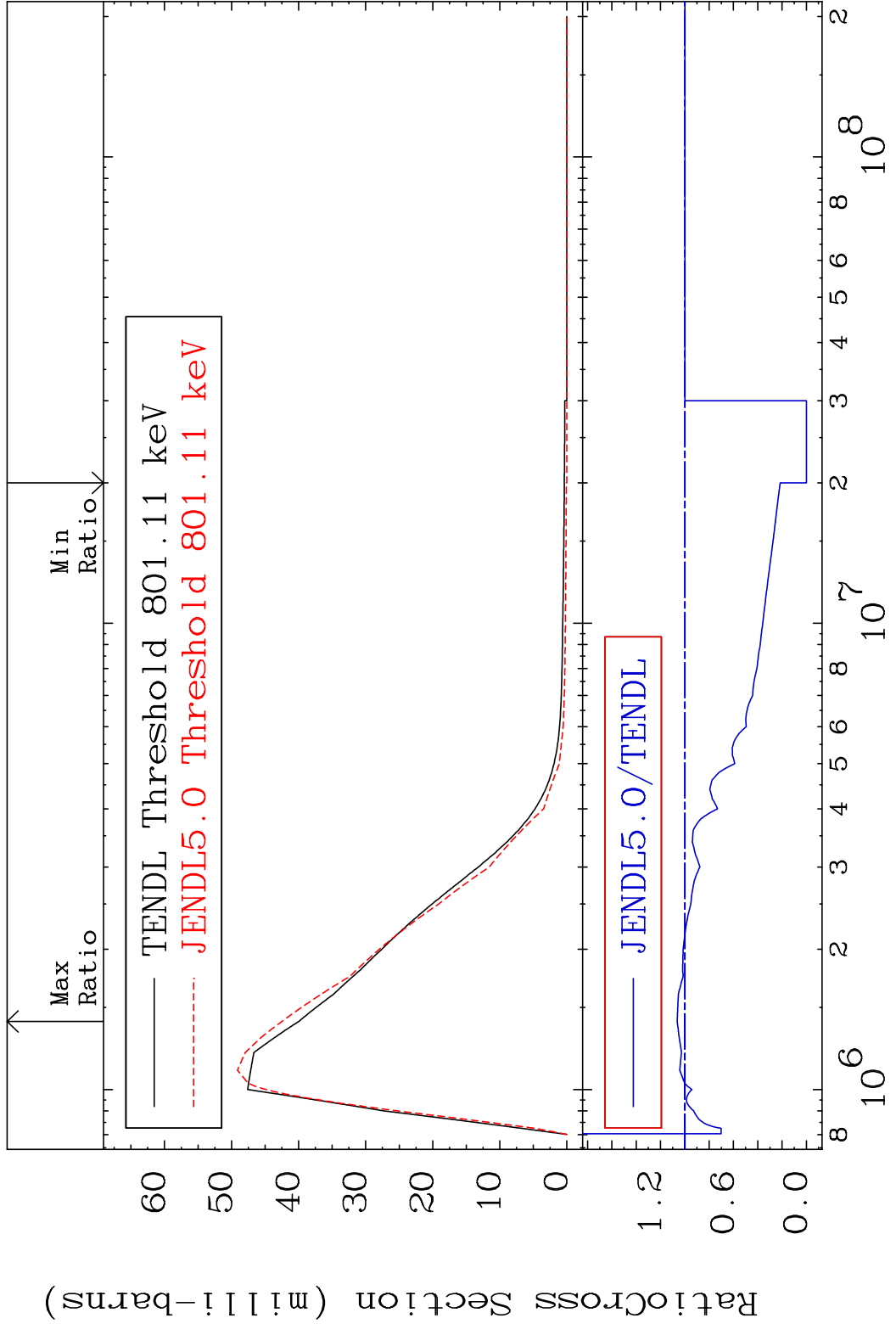
25 41-Nb-94

MAT 4128 MT= 64 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 9999. %

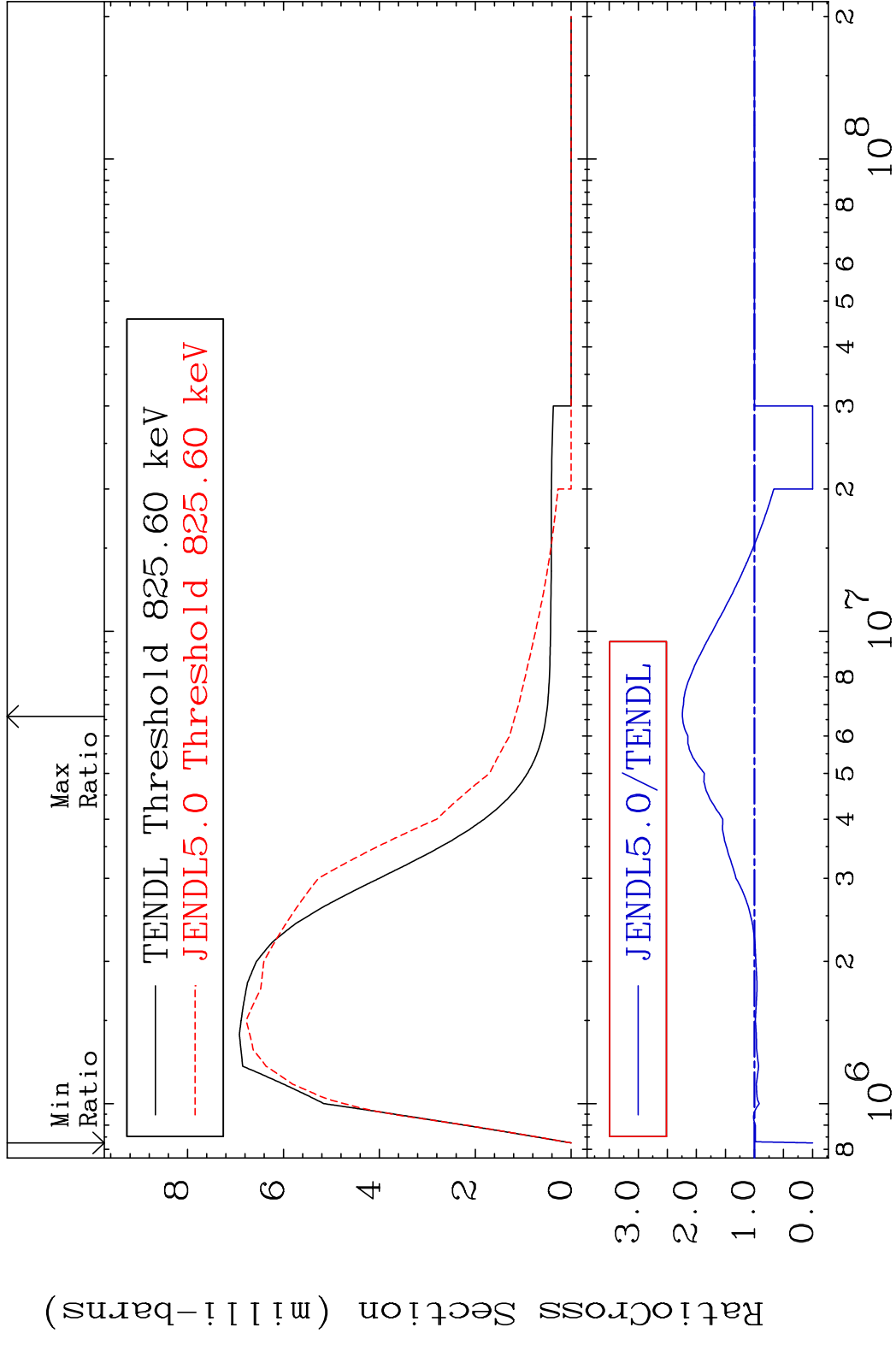


26 Incident Energy (eV) 41-Nb-94

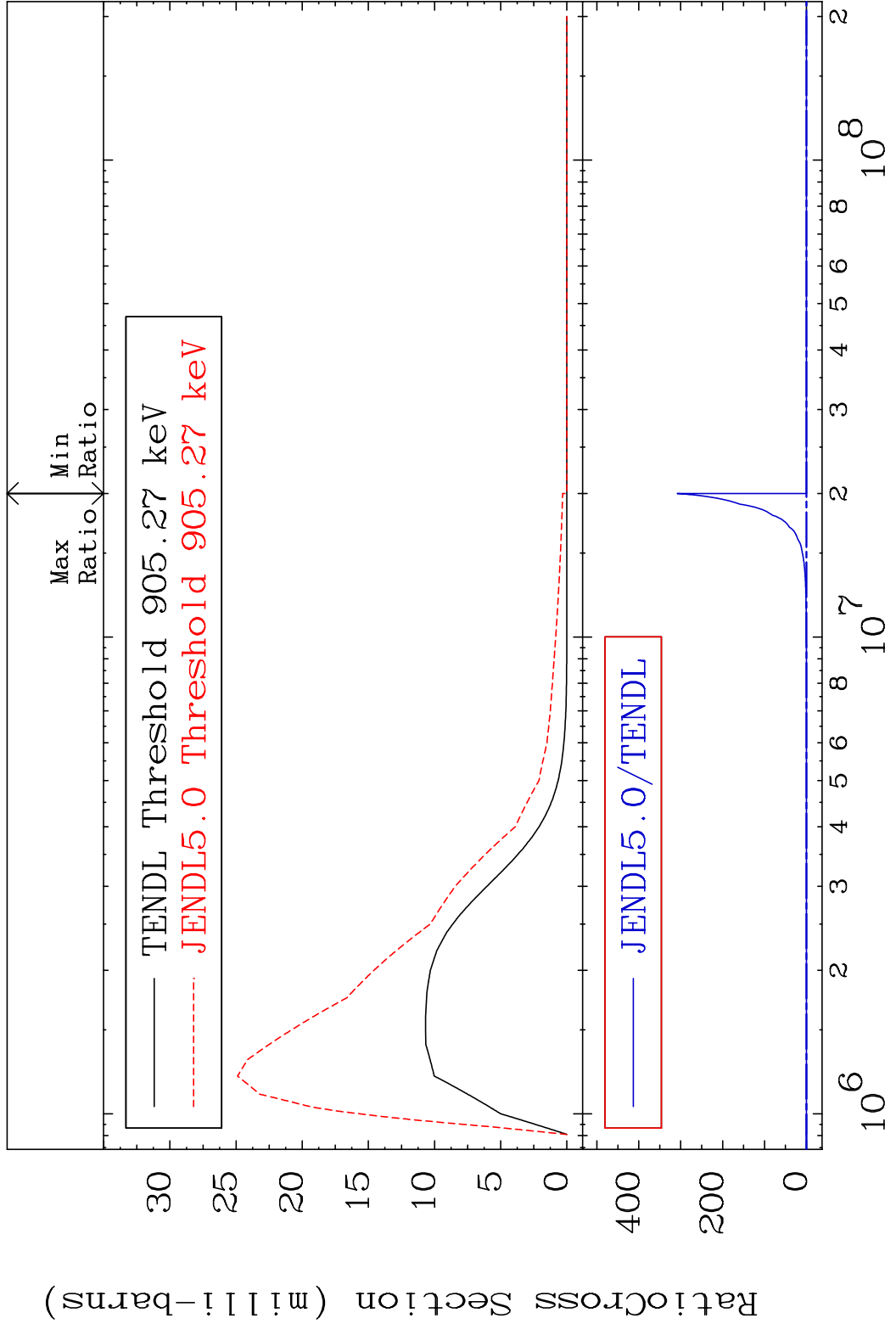
MAT 4128 MT= 65 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 6.285 %



MAT 4128 MT= 66 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 124.1 %

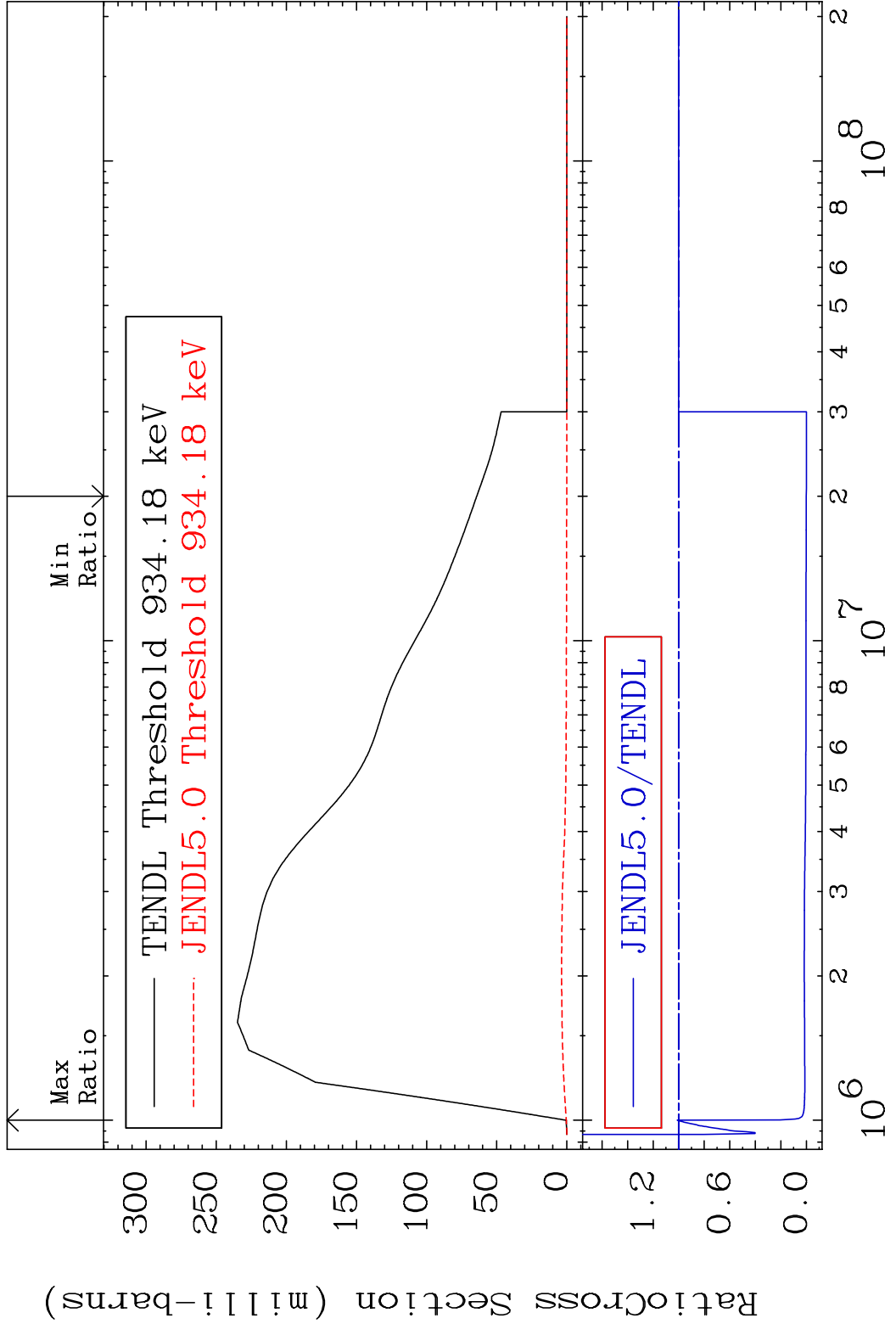


MAT 4128 MT= 67 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 9999. %



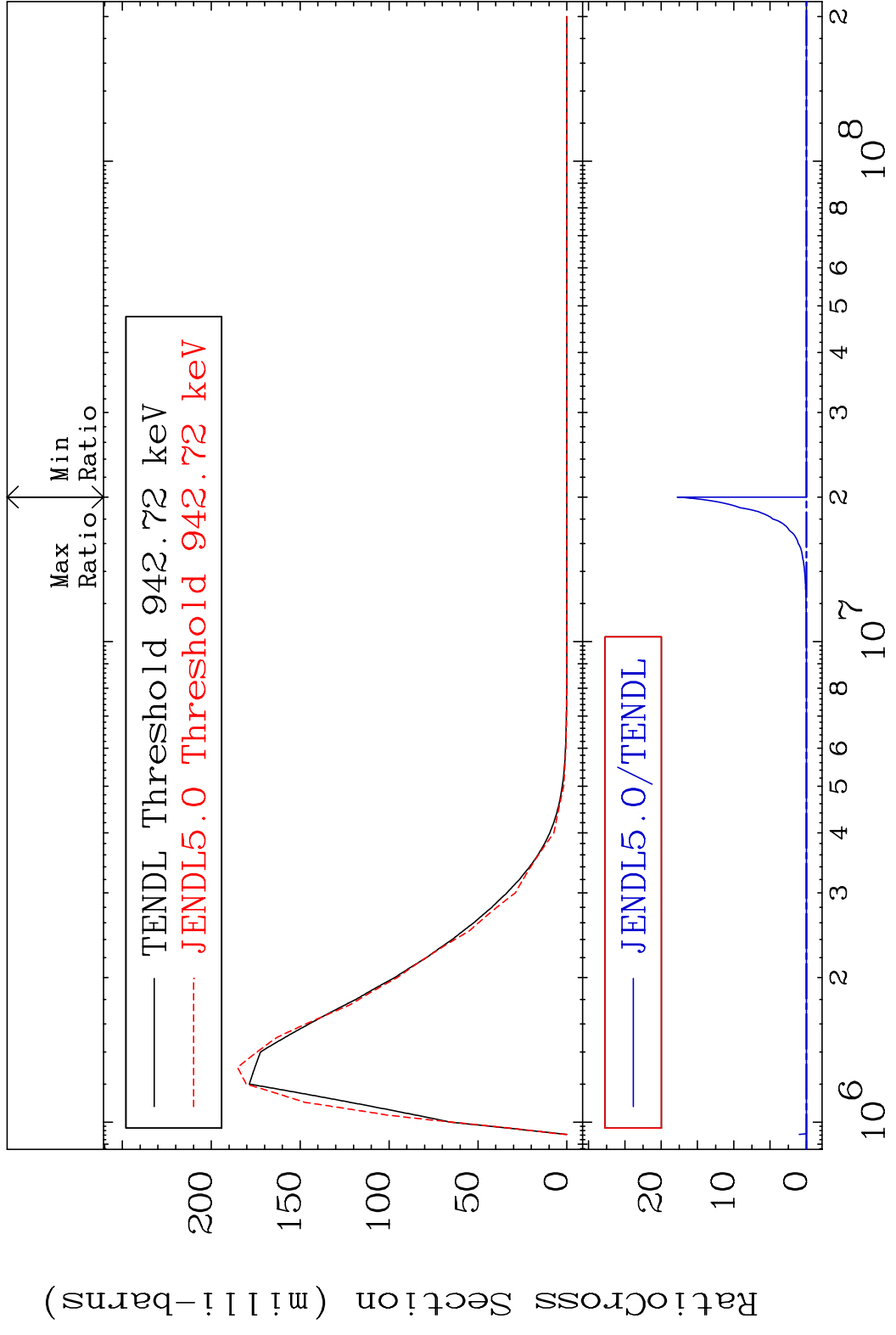
29 Incident Energy (eV) 41-Nb-94

MAT 4128 MT= 68 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 1.177 %



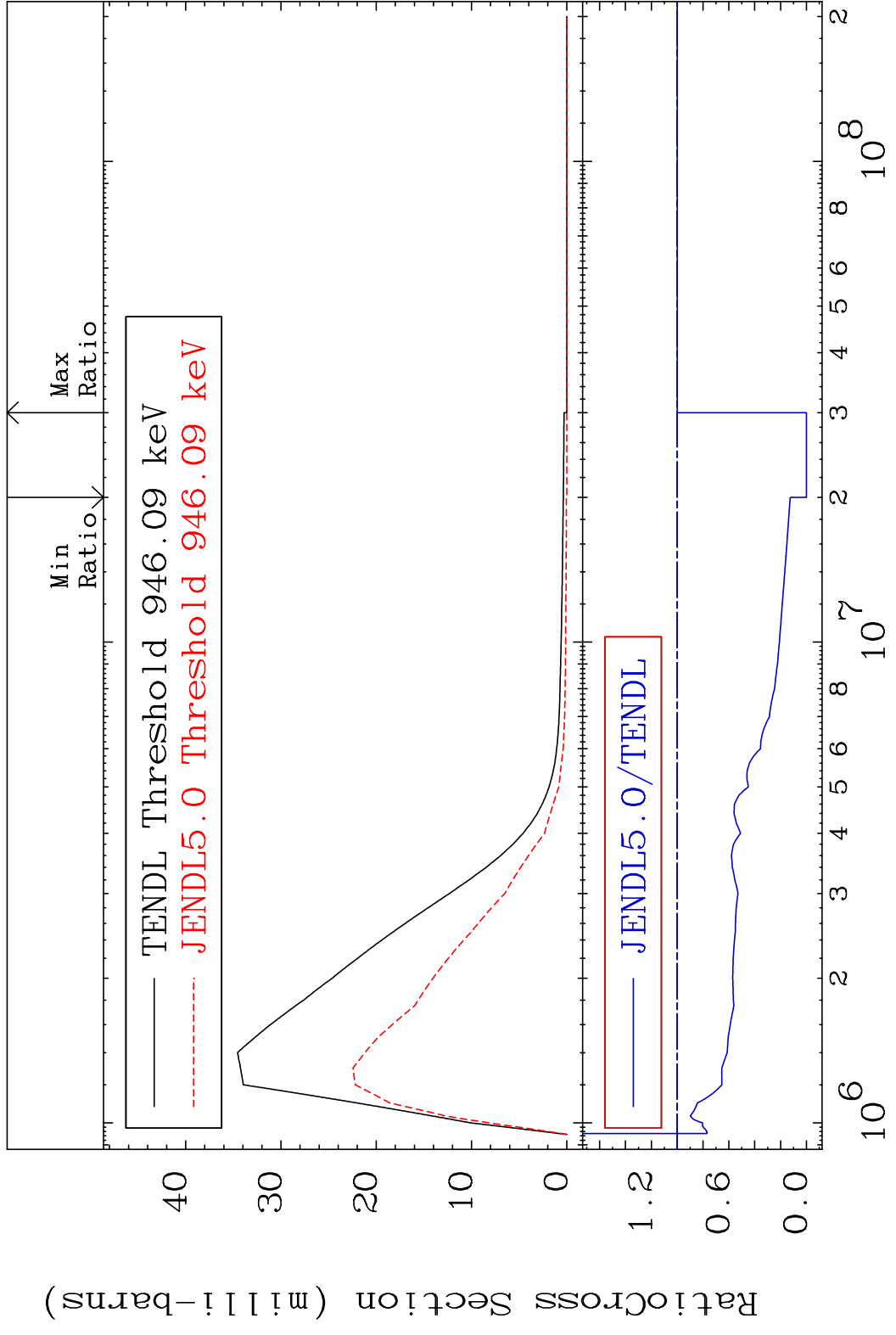
30 10⁶ 2 3 4 5 6 8 10⁷ 2 3 4 5 6 8 10⁸ 41-Nb-94

MAT 4128 MT= 69 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 9999. %

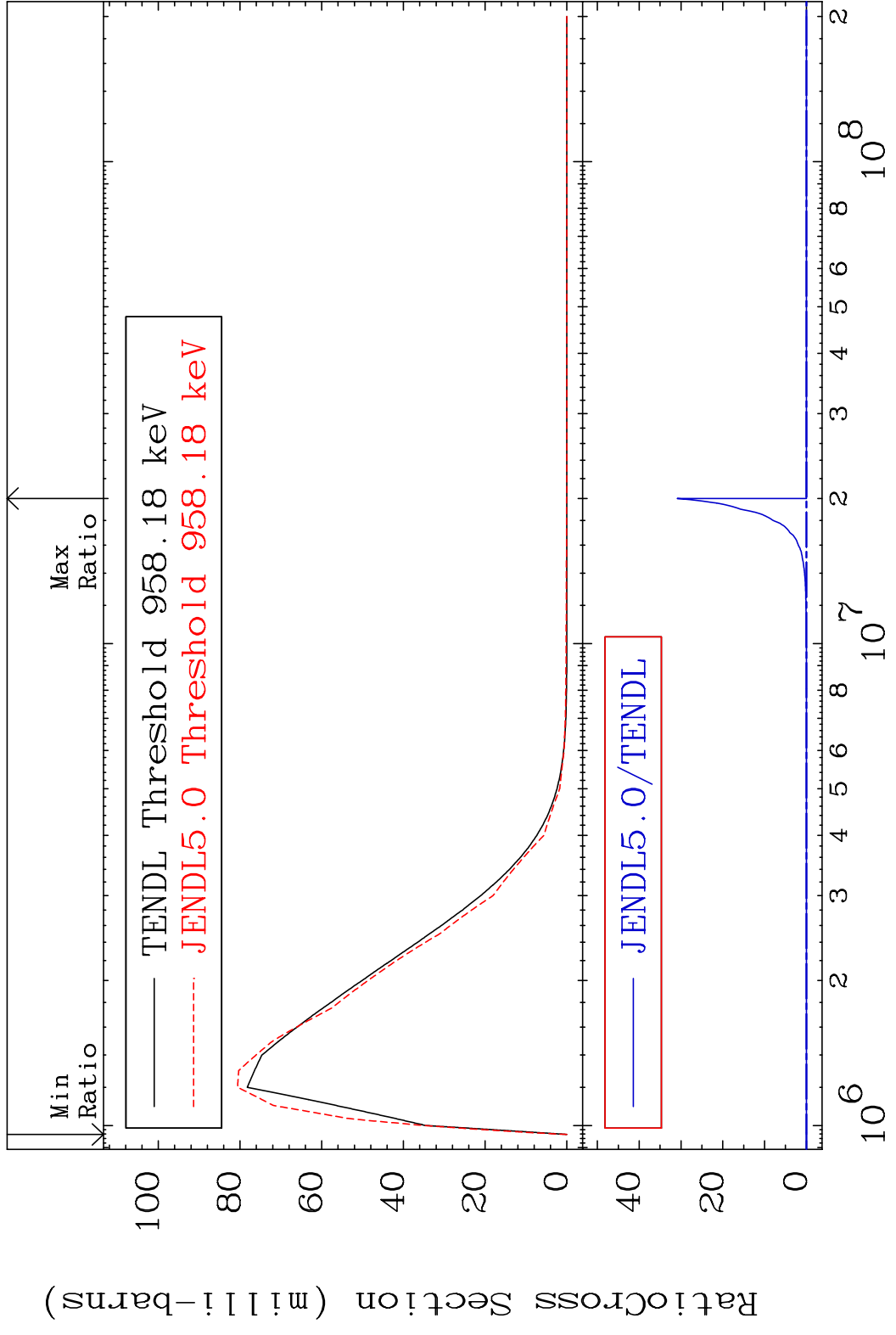


31 Incident Energy (eV) 41-Nb-94

MAT 4128 MT= 70 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 0.000 %

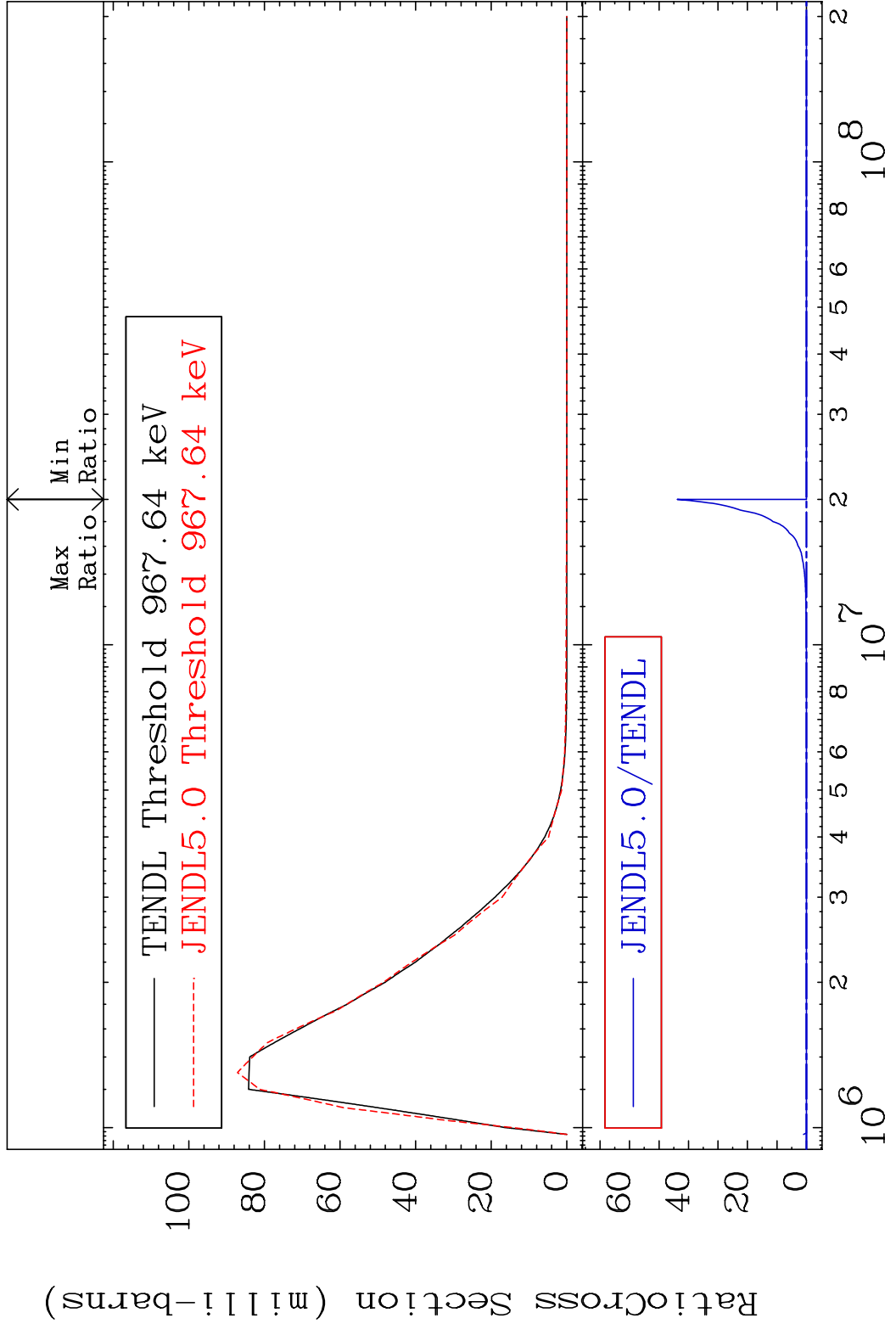


MAT 4128 MT= 71 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 9999. %



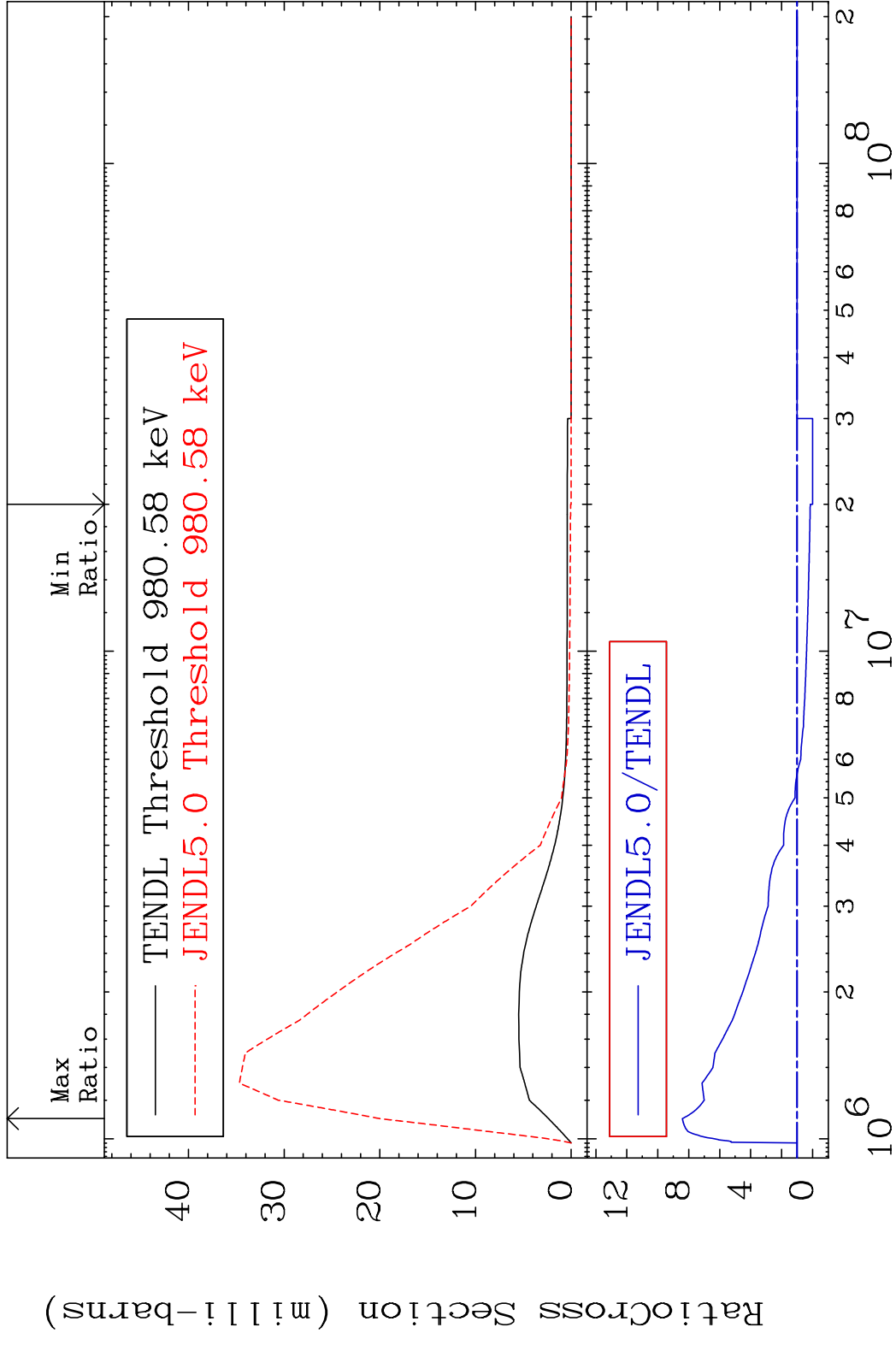
33 Incident Energy (eV) 41-Nb-94

MAT 4128 MT= 72 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 9999. %



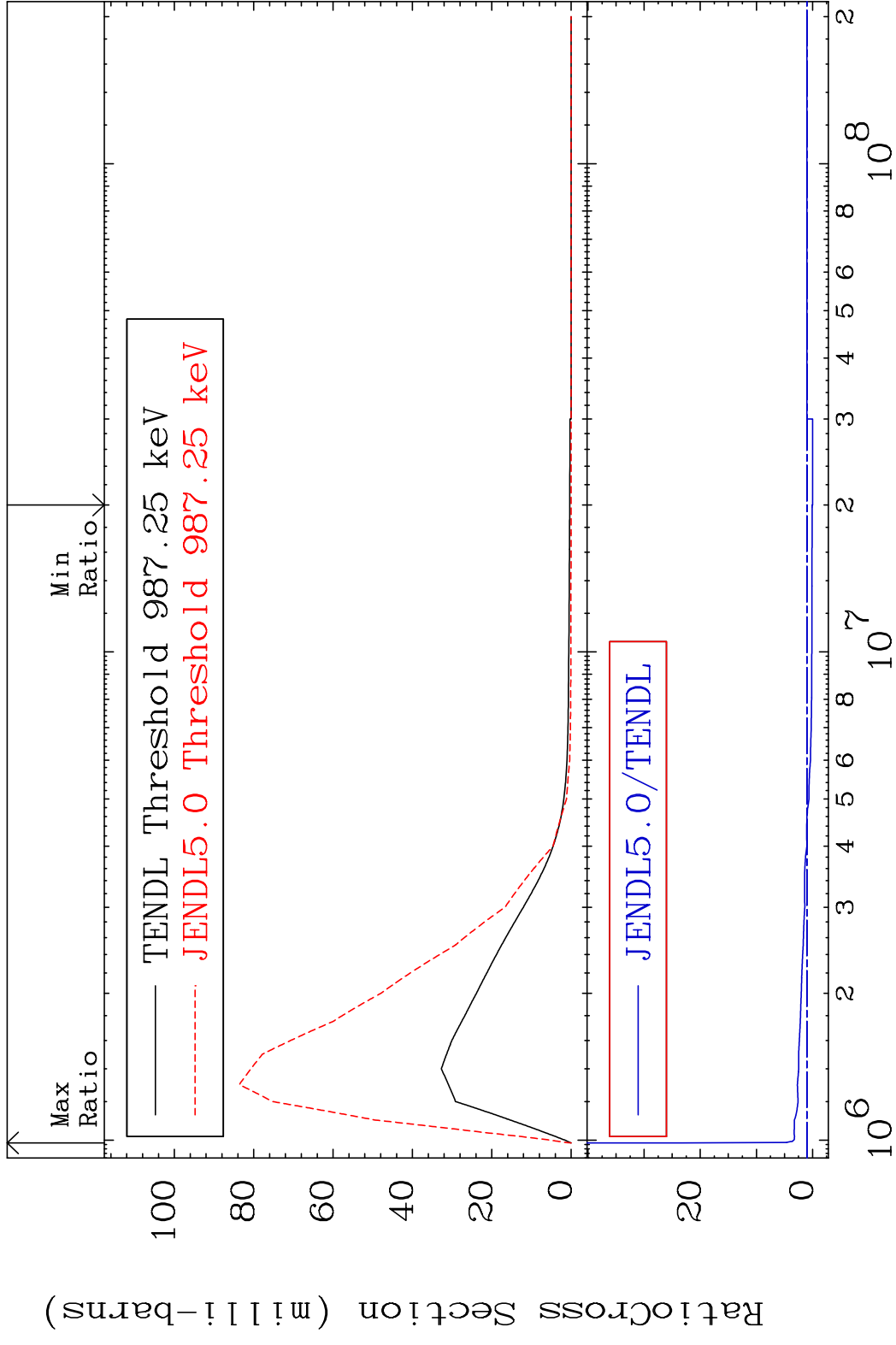
34 Incident Energy (eV) 41-Nb-94

MAT 4128 MT= 73 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 741.2 %



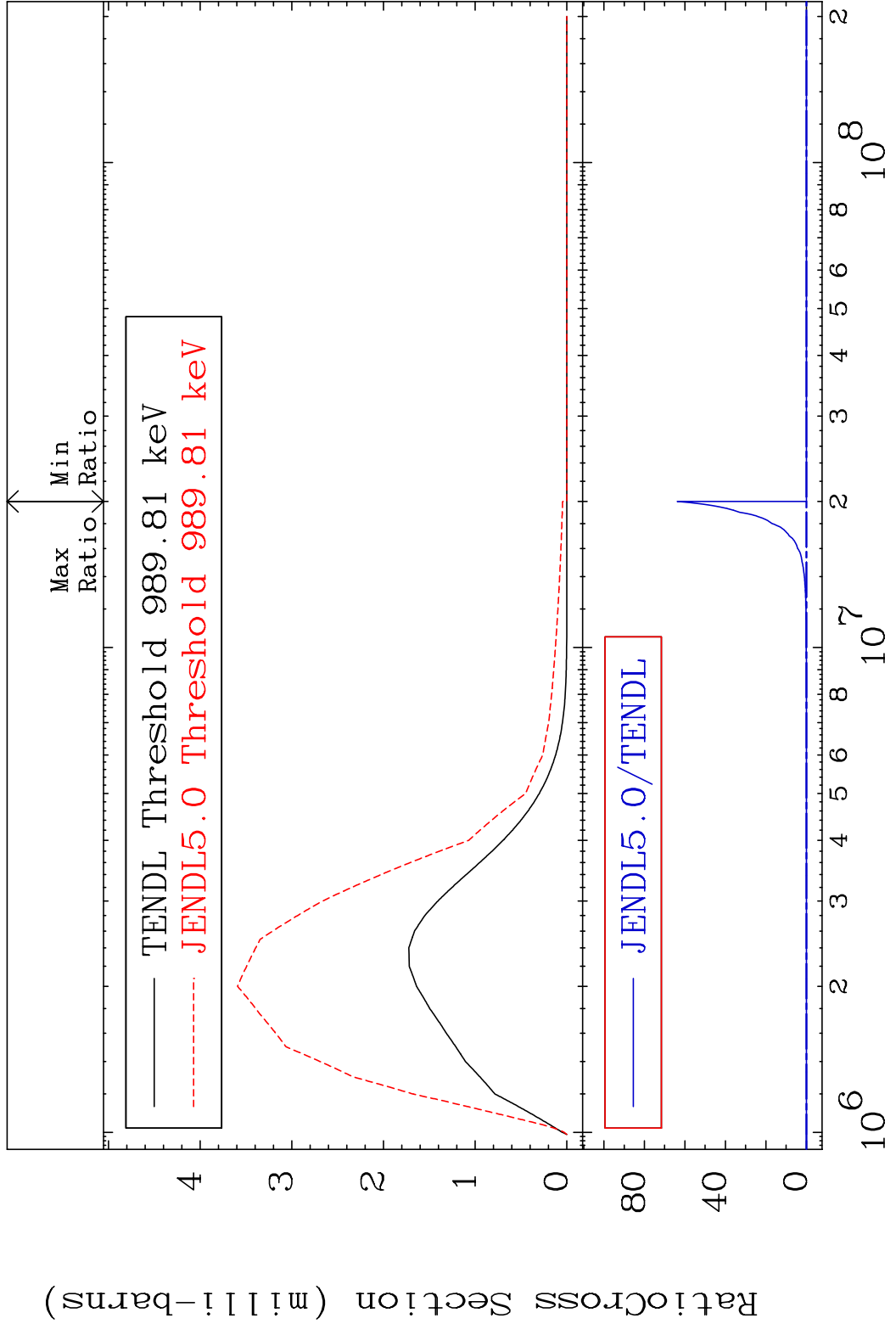
35 41-Nb-94

MAT 4128 MT= 74 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 2219. %



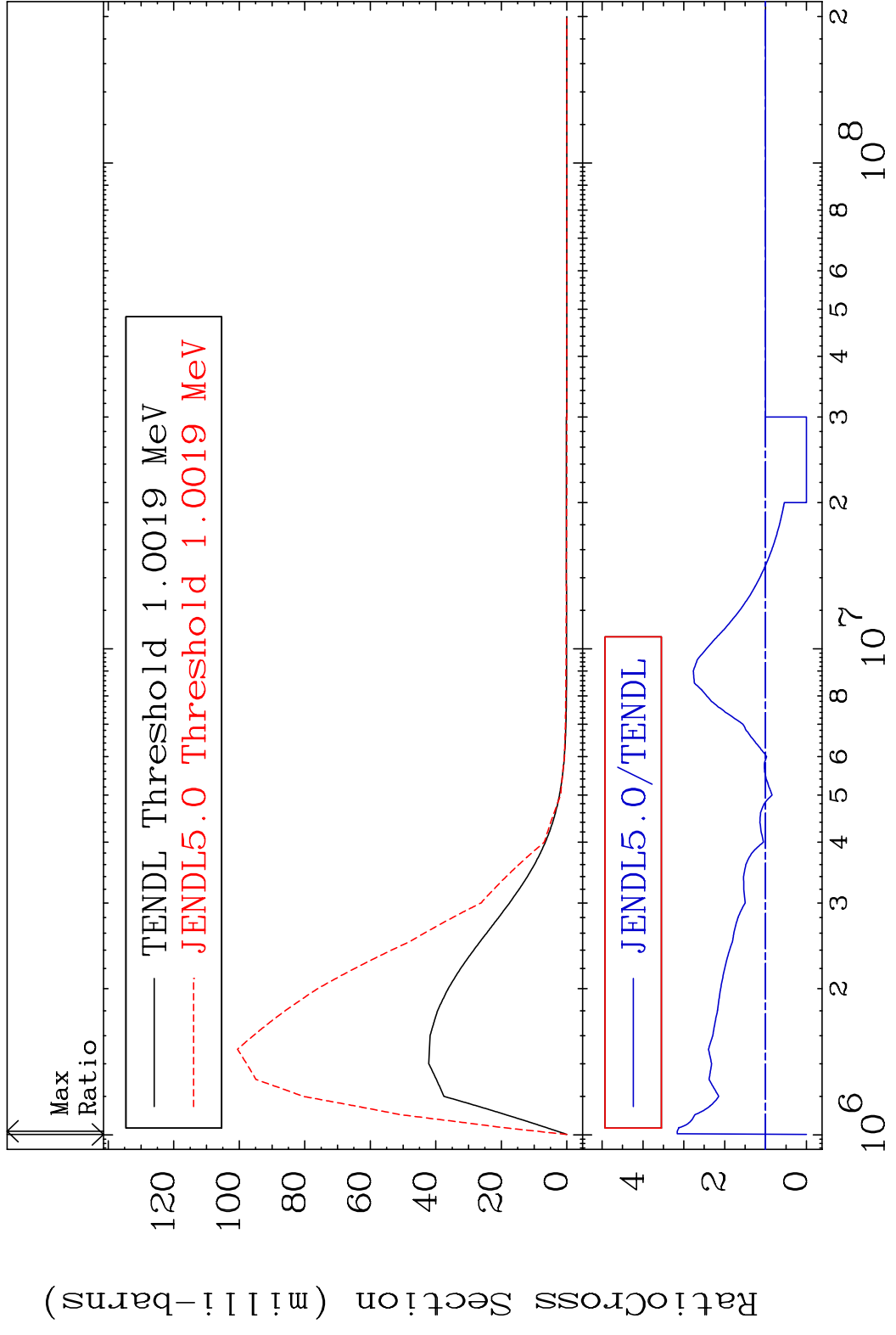
36 Incident Energy (eV) 41-Nb-94

MAT 4128 MT= 75 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 9999. %



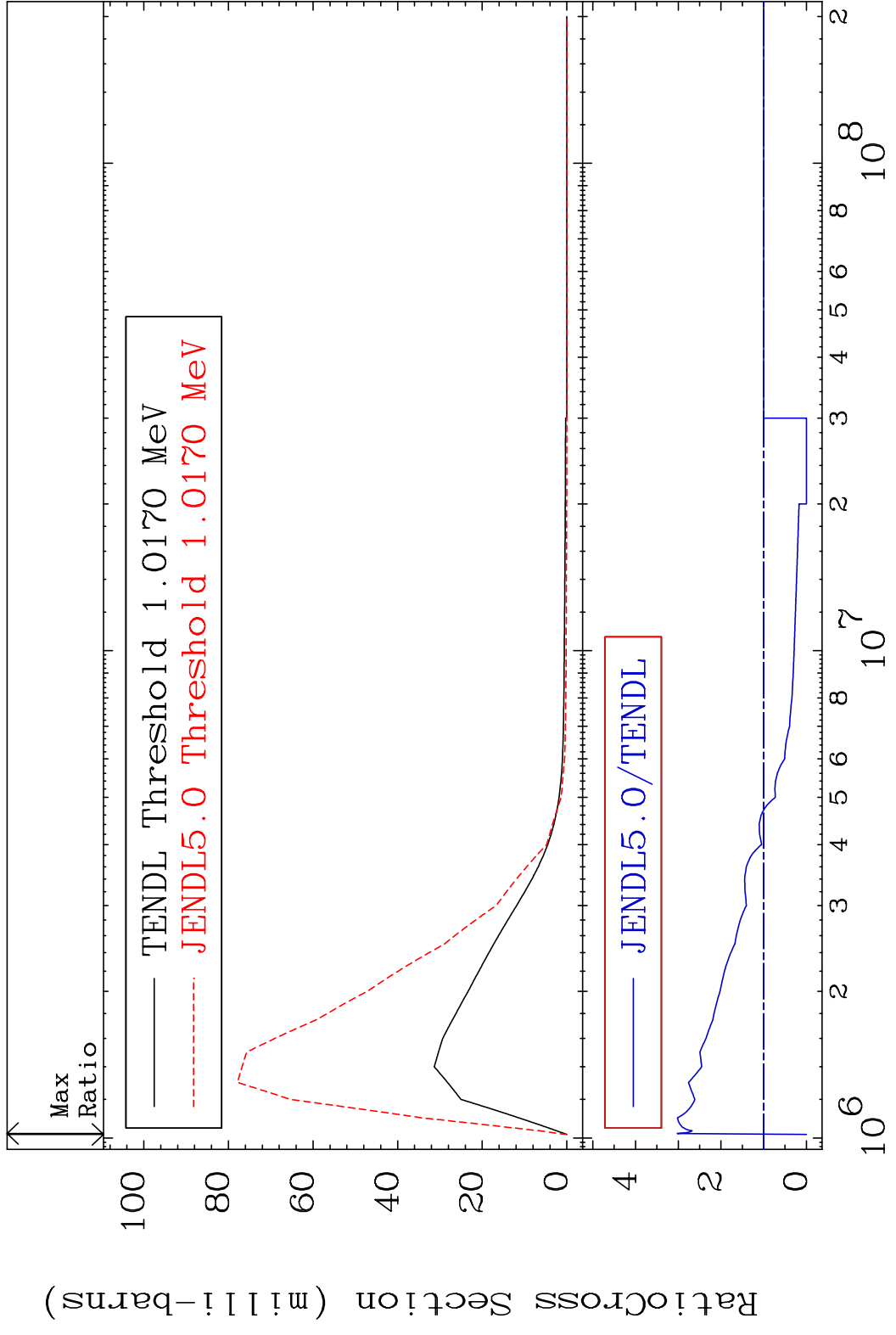
37 Incident Energy (eV) 41-Nb-94

MAT 4128 MT= 76 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 216.3 %



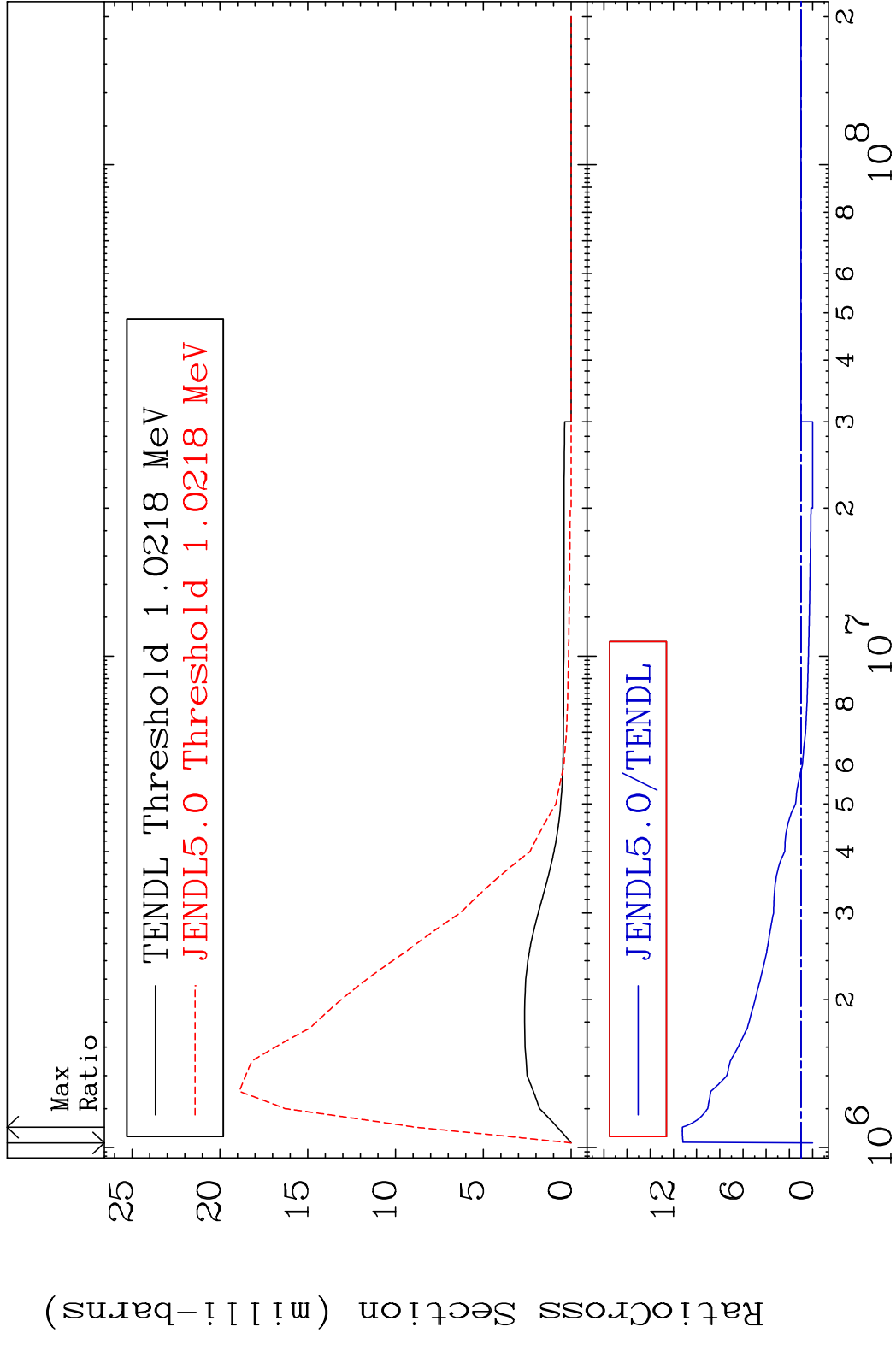
38 Incident Energy (eV) 41-Nb-94

MAT 4128 MT= 77 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 202.5 %



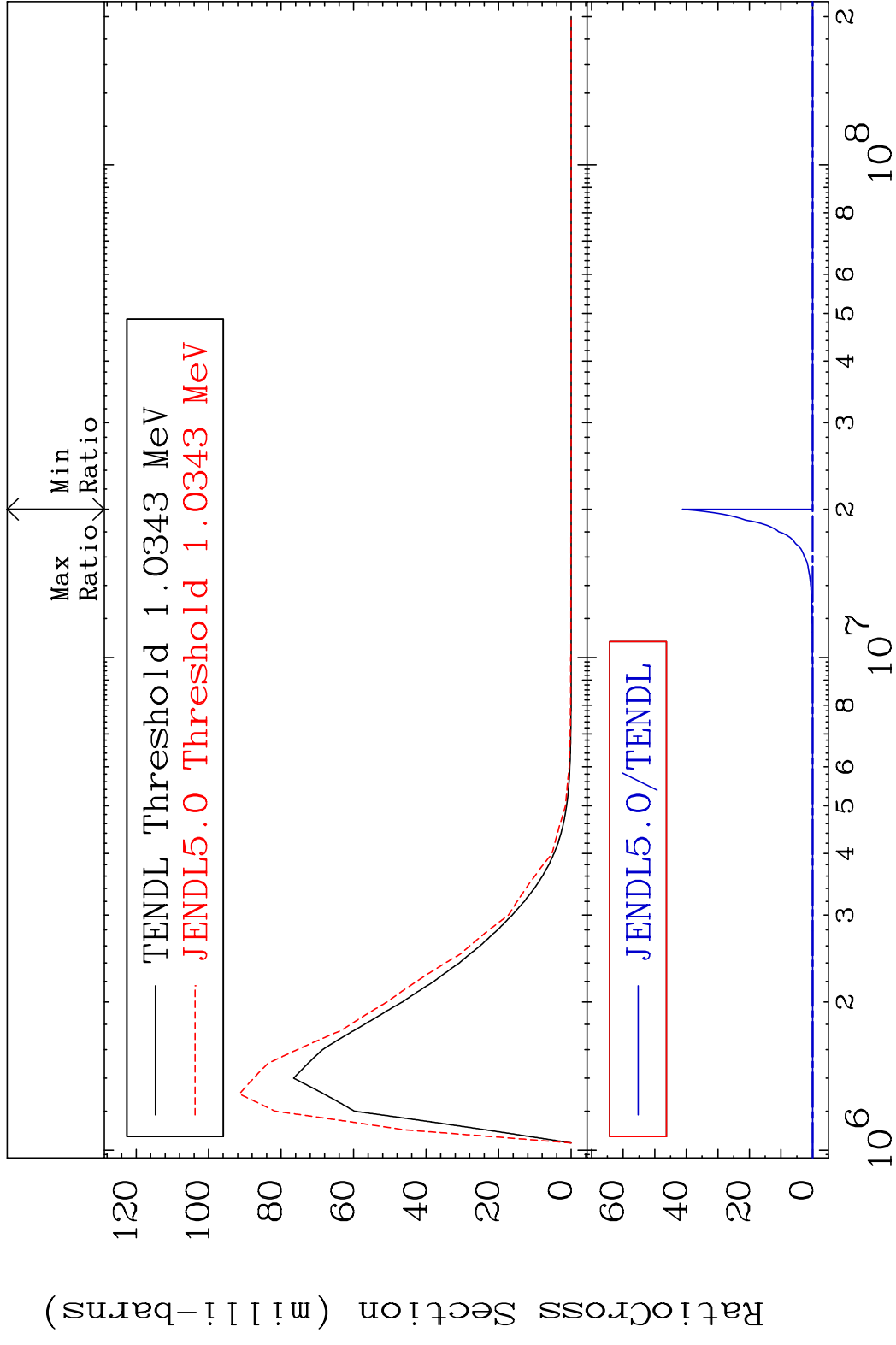
39 Incident Energy (eV) 41-Nb-94

MAT 4128 MT= 78 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 1023. %



40 Incident Energy (eV) 41-Nb-94

MAT 4128 MT= 79 (n, n') Level 41-Nb-94
 Cross Section -100.0 To 9999. %



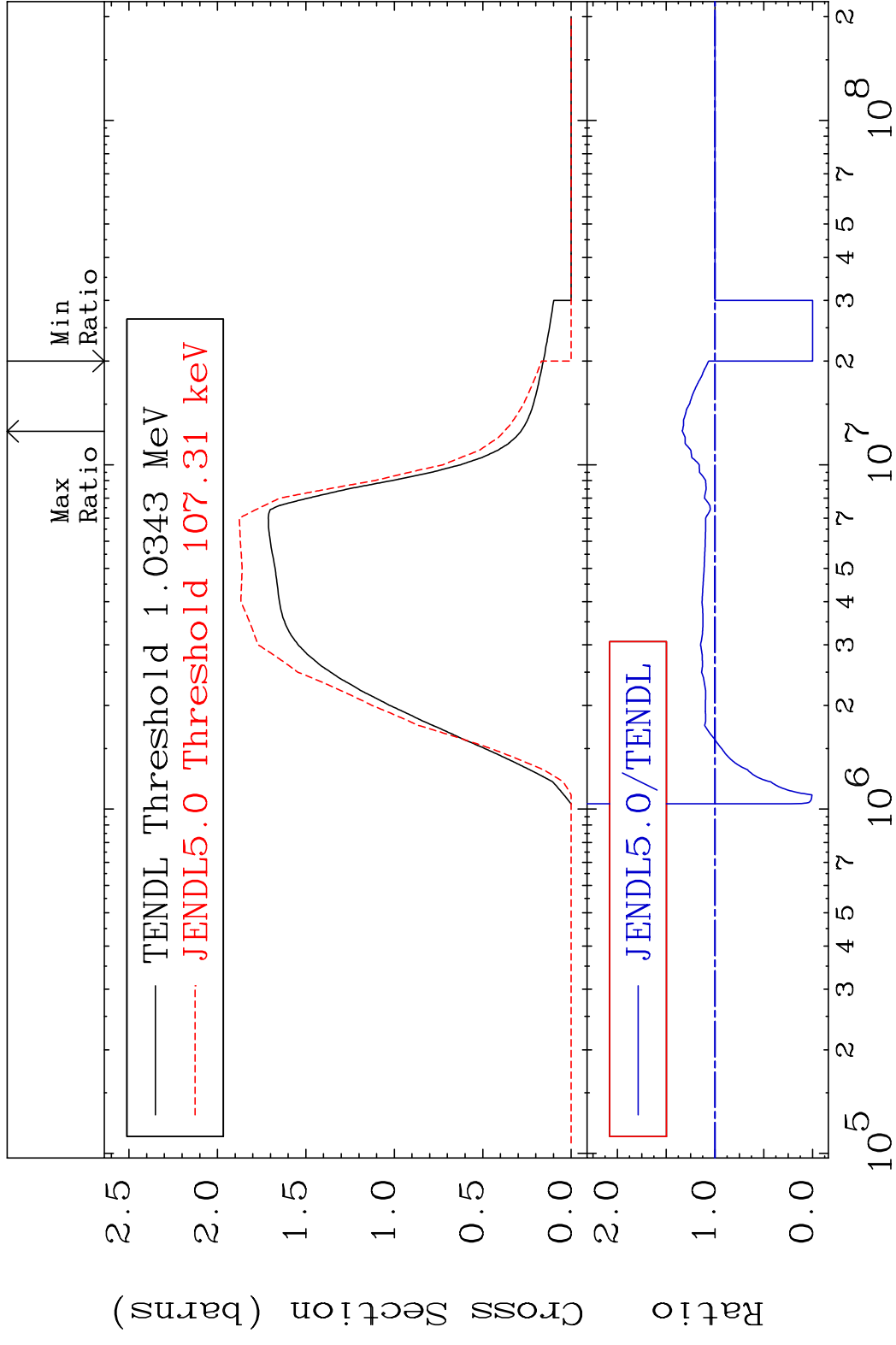
41 Incident Energy (eV) 41-Nb-94

MAT 4128

(n, n') Continuum

41-Nb-94

Cross Section -100.0 To 33.38 %



42

Incident Energy (eV)

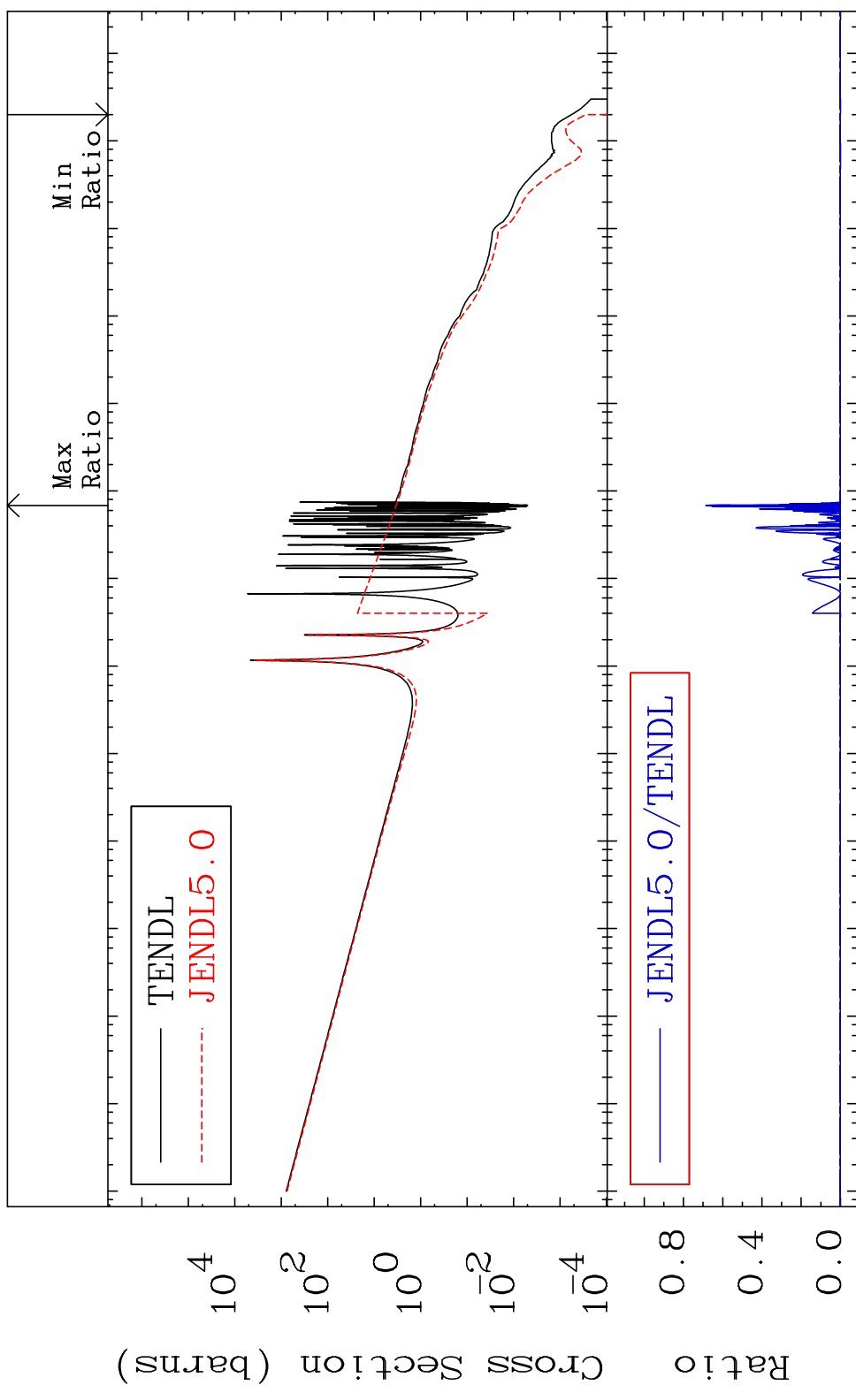
41-Nb-94

MAT 4128

(n, γ)

41-Nb-94

Cross Section -100.0 To 9999. %



43

Incident Energy (eV)

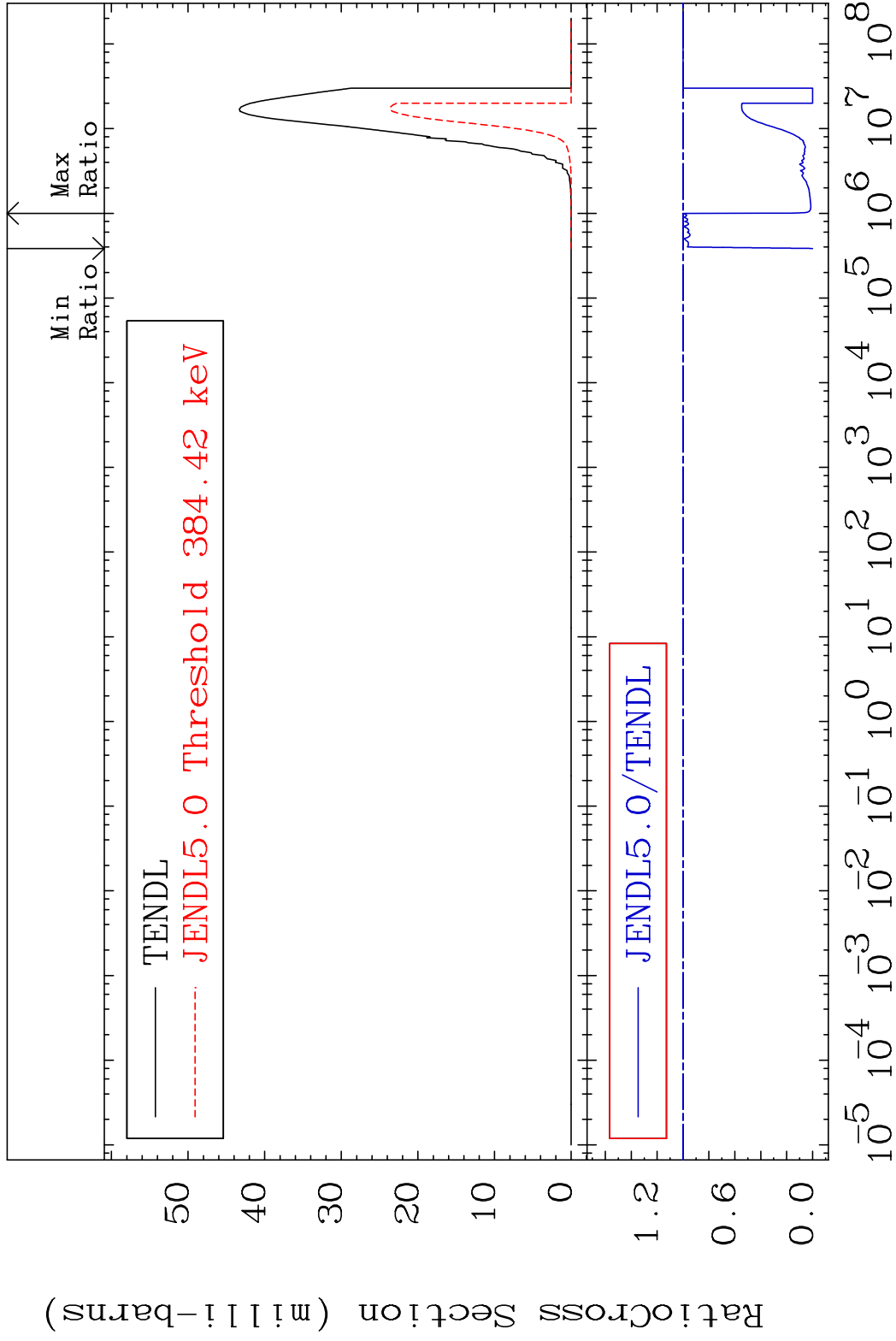
41-Nb-94

MAT 4128

(n, p)

41-Nb-94

Cross Section -100.0 To 0.539 %



44

Incident Energy (eV)

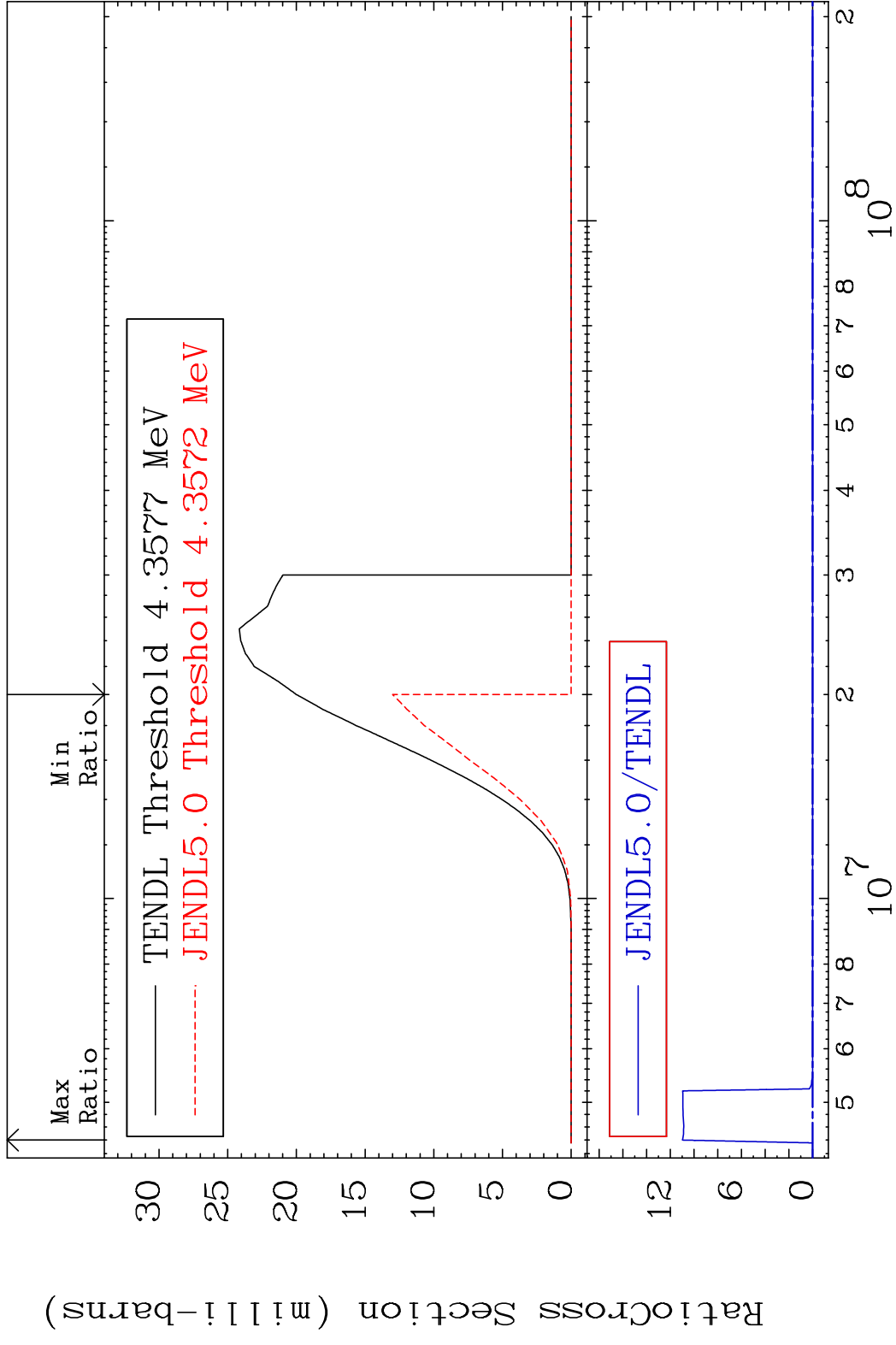
41-Nb-94

MAT 4128

(n,d)

41-Nb-94

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

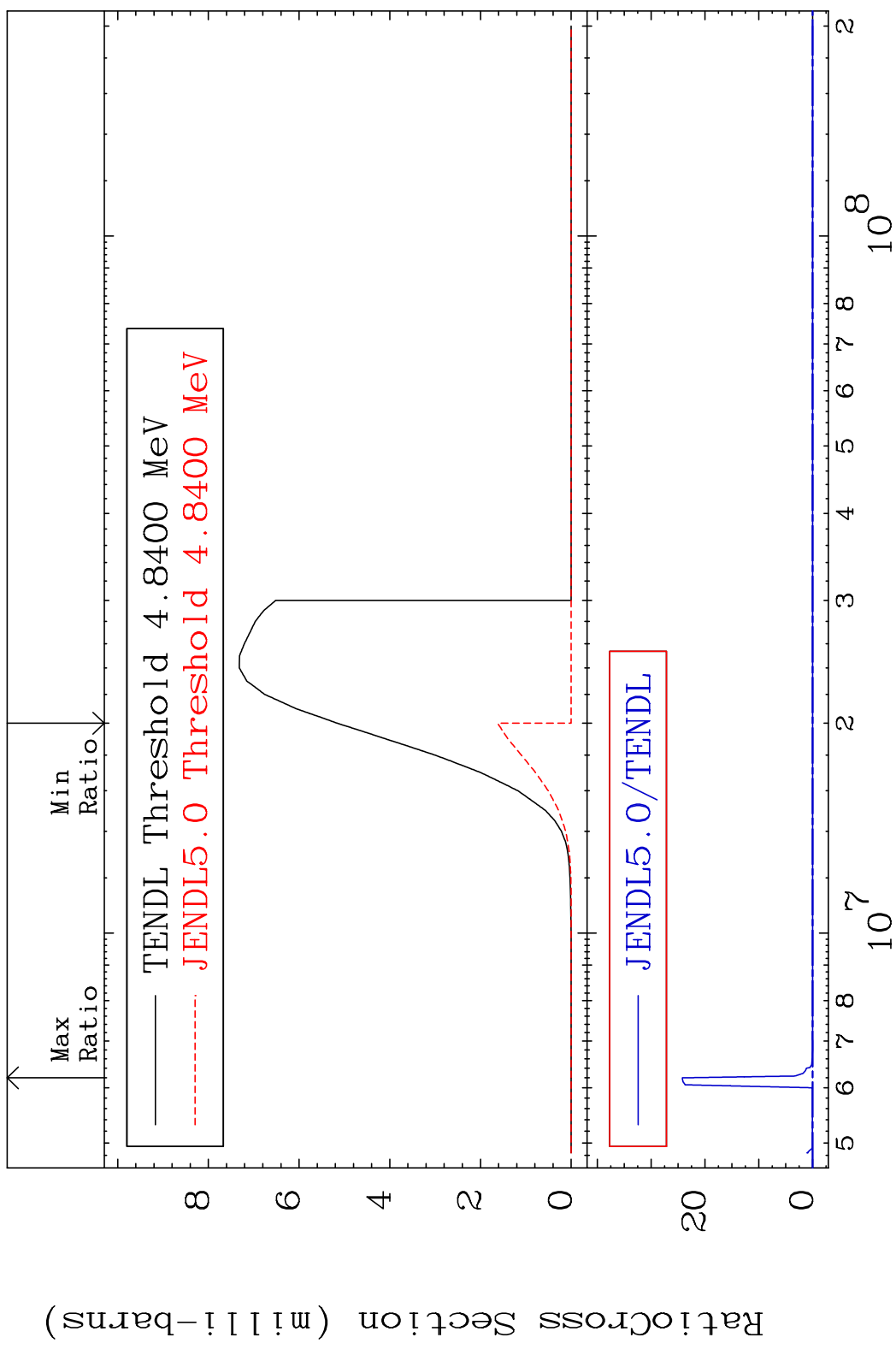
41-Nb-94

MAT 4128

(n, t)

41-Nb-94

Cross Section -100.0 To 9999. %



46

Incident Energy (eV)

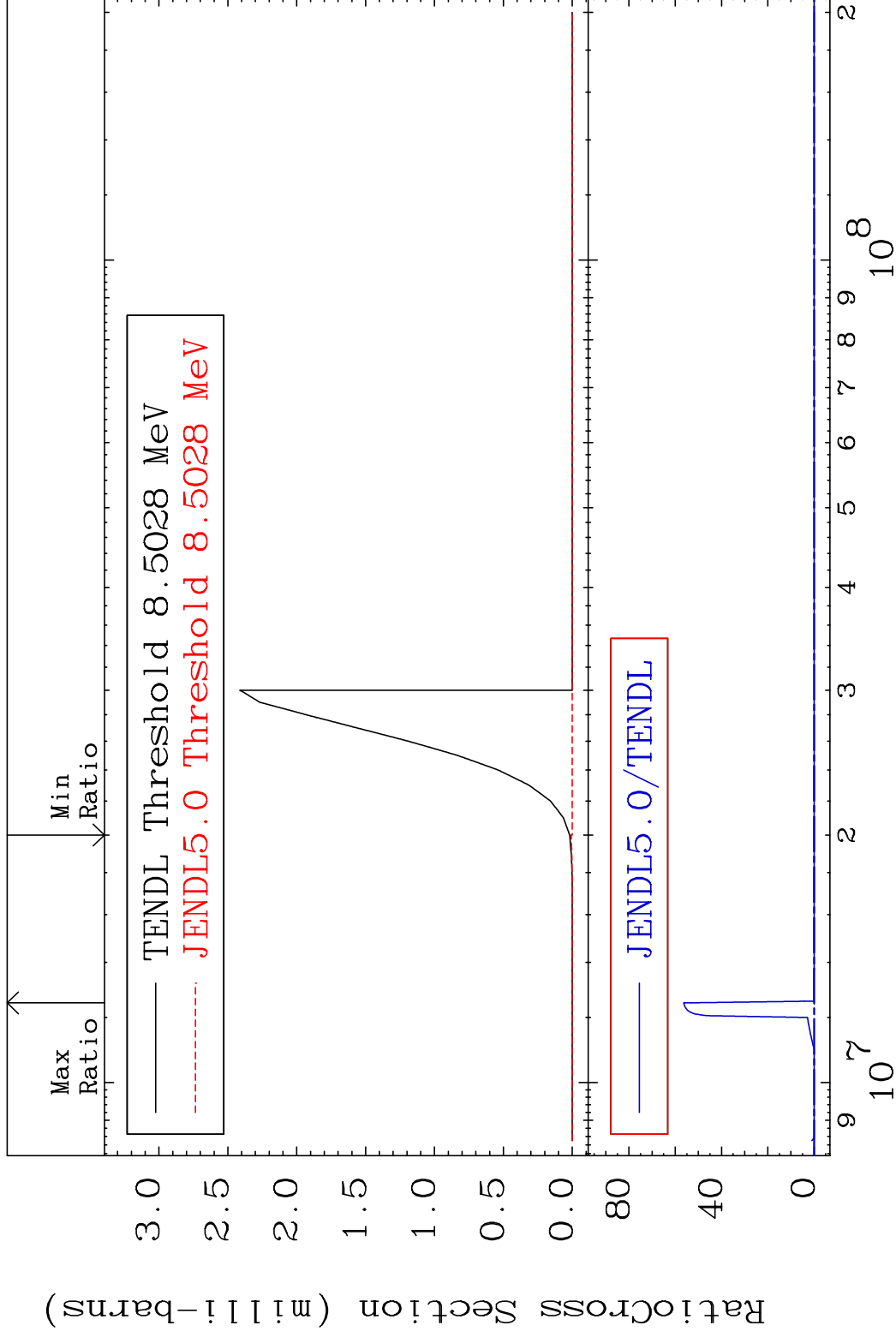
41-Nb-94

MAT 4128

(n, He-3)

41-Nb-94

Cross Section -100.0 To 9999. %



47

Incident Energy (eV)

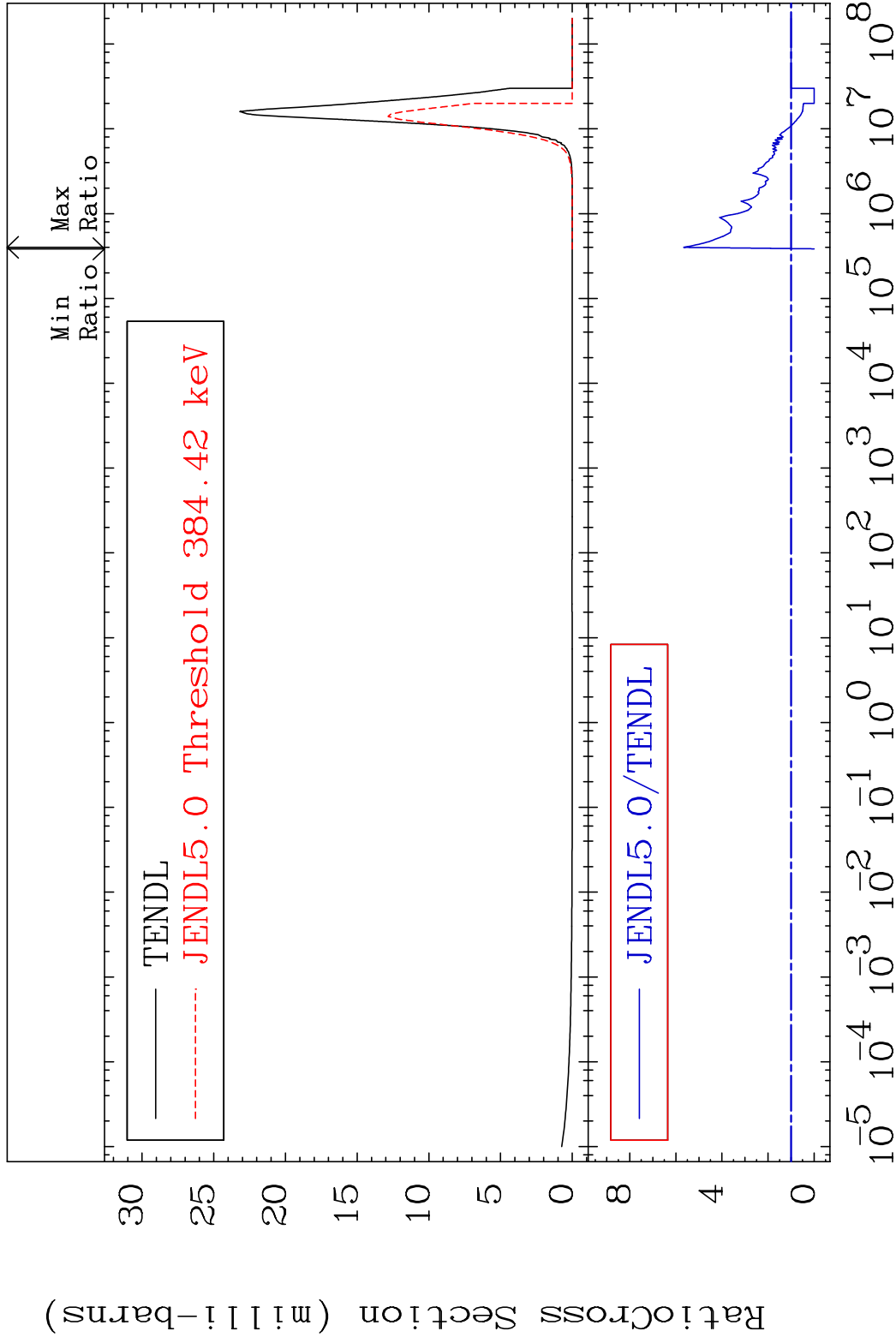
41-Nb-94

MAT 4128

(n, α)

41-Nb-94

Cross Section -100.0 To 466.1 %



48

Incident Energy (eV)

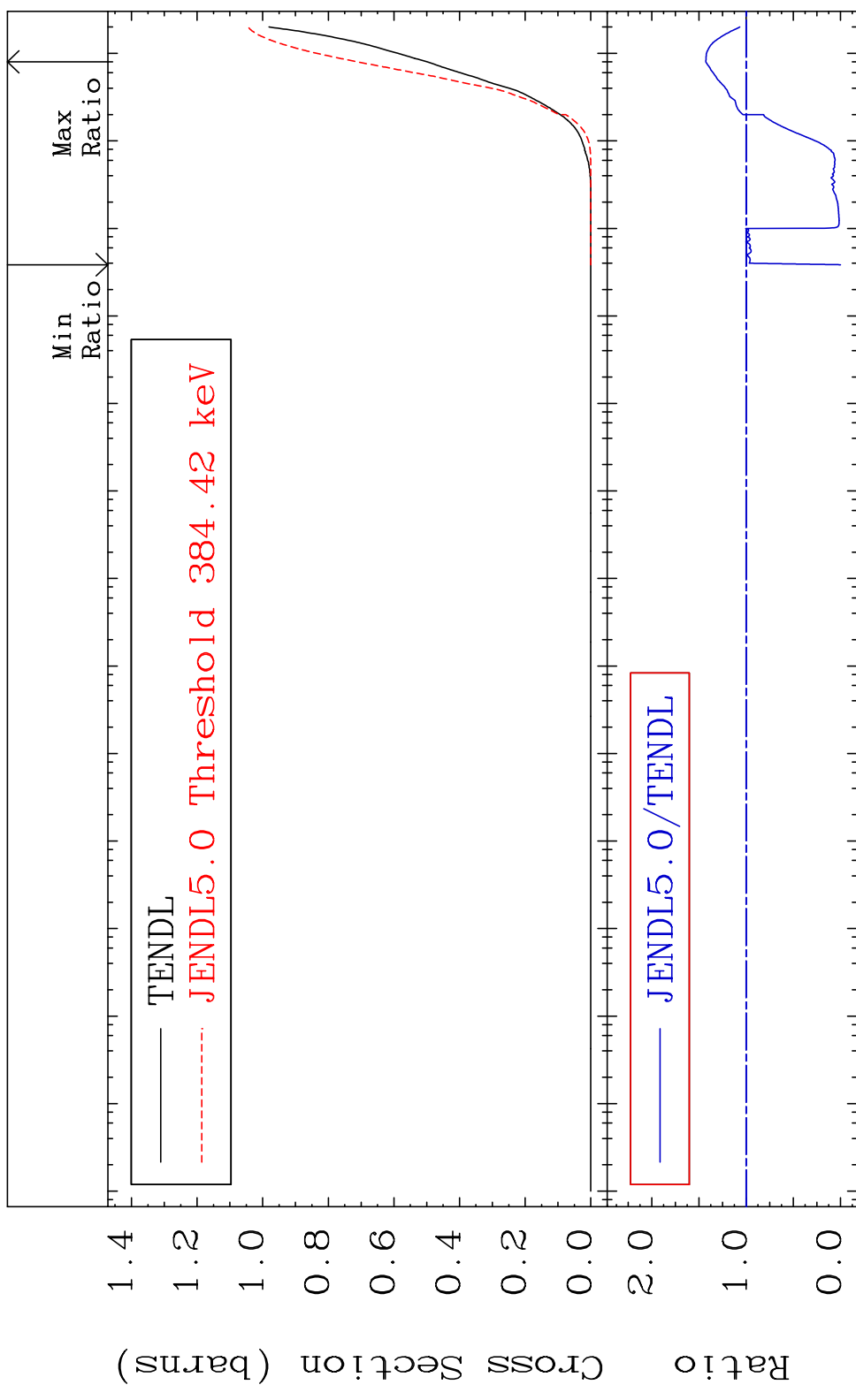
41-Nb-94

MAT 4128

Hydrogen Production

41-Nb-94

Cross Section -100.0 To 42.82 %



49

Incident Energy (eV)

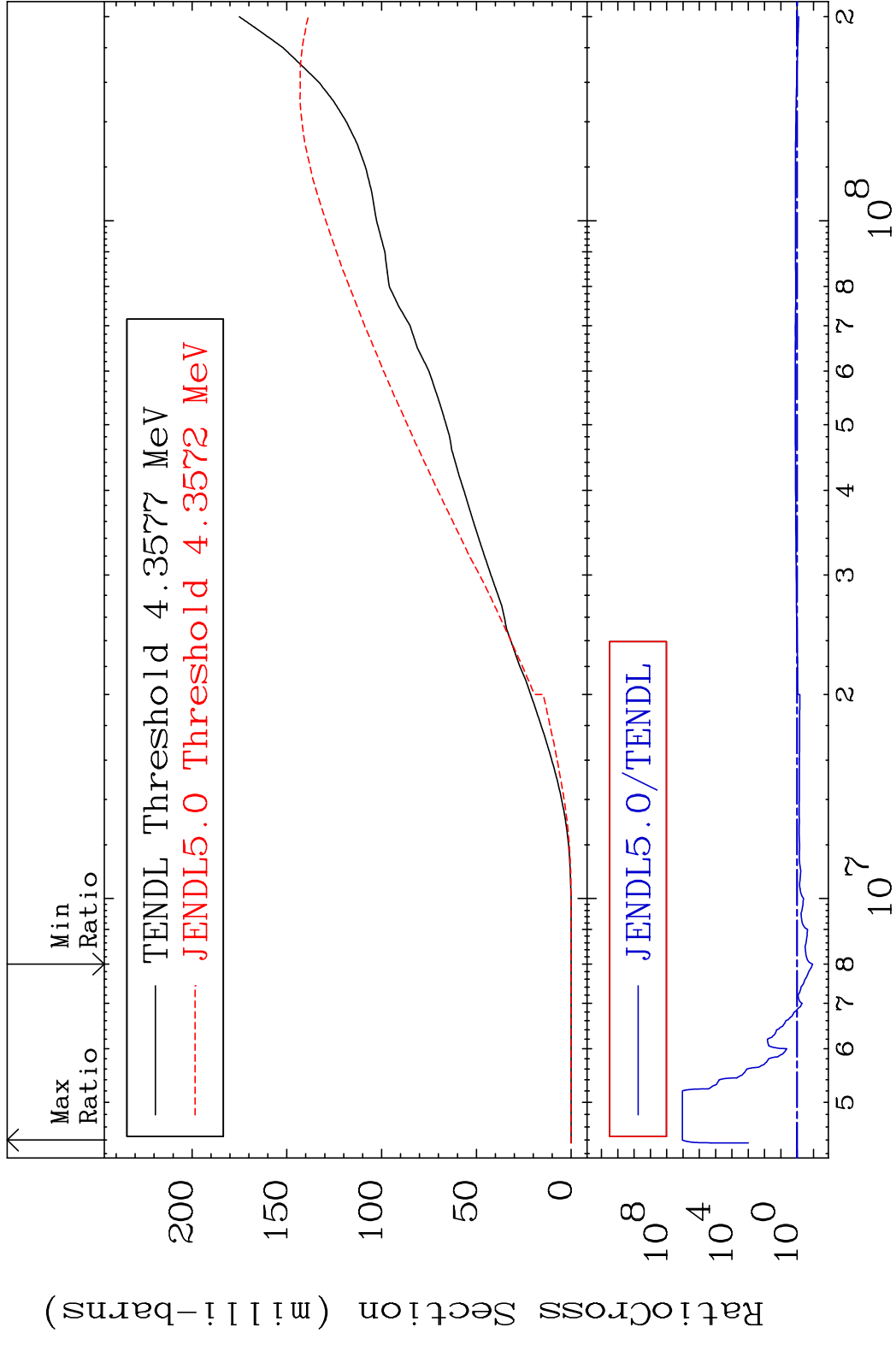
41-Nb-94

MAT 4128

Deuterium Production

41-Nb-94

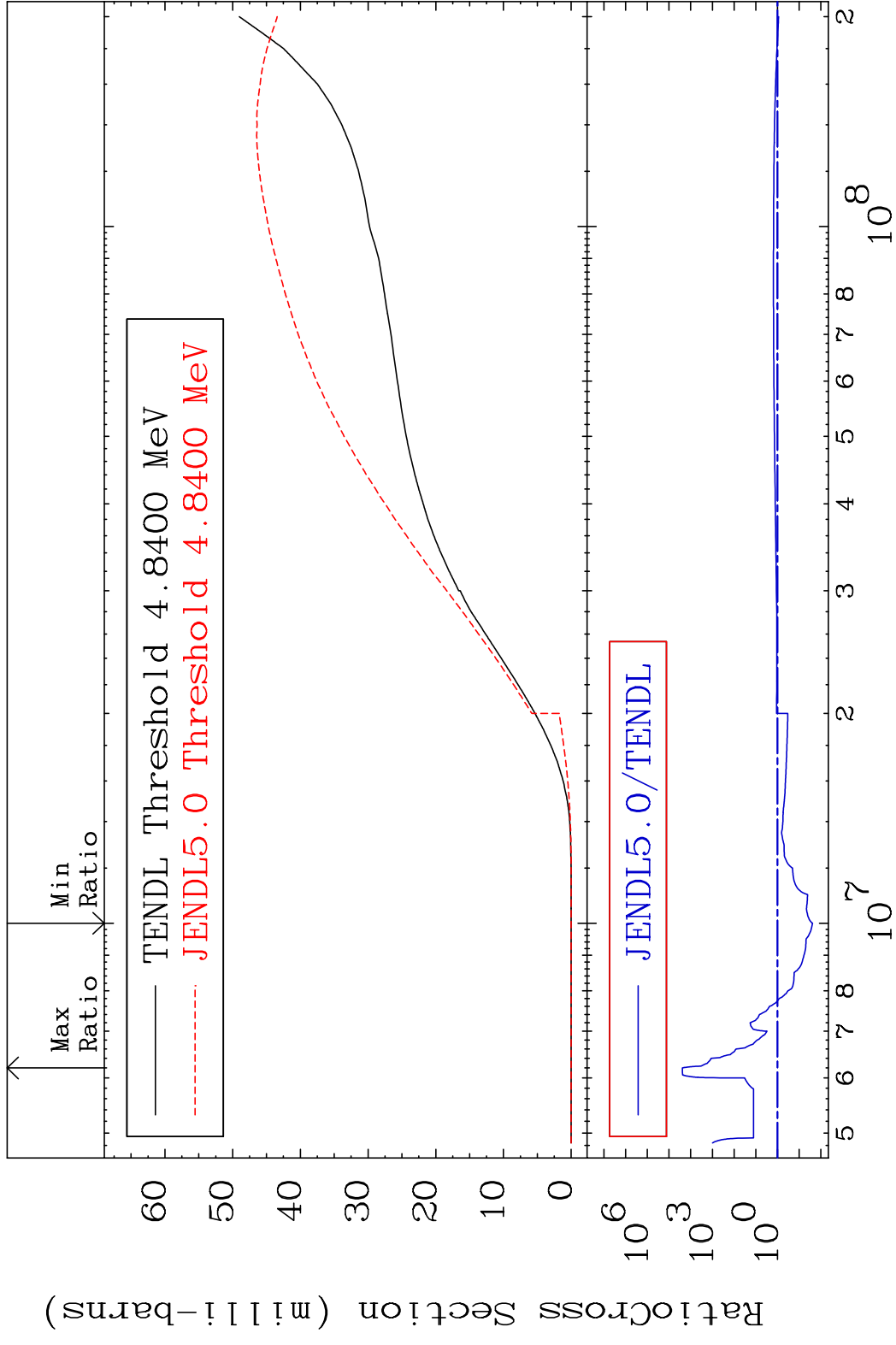
Cross Section -88.66 To 9999. %



50

Incident Energy (eV)

41-Nb-94

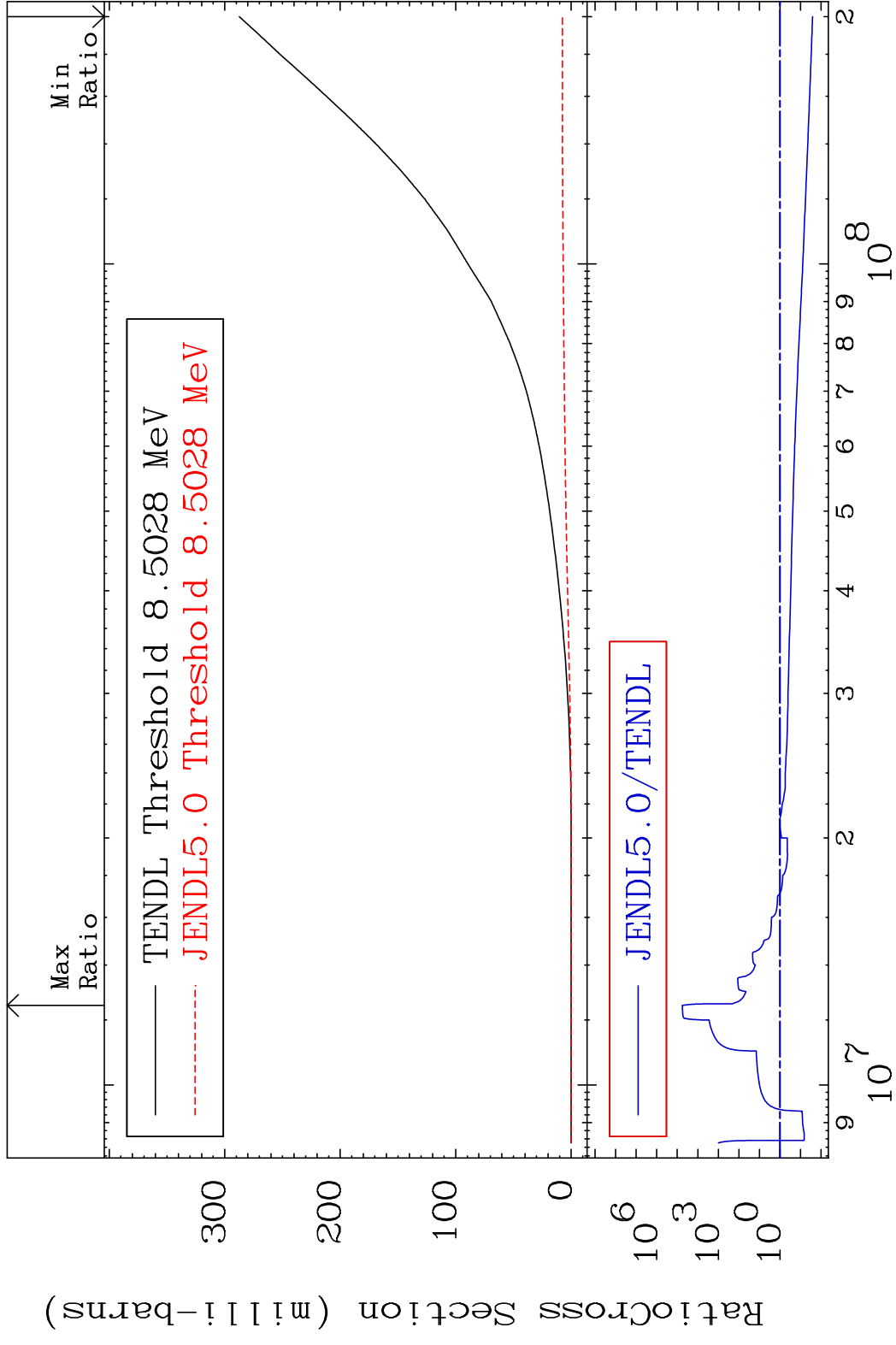


MAT 4128

He-3 Production

41-Nb-94

Cross Section -97.40 To 9999. %



52

Incident Energy (eV)

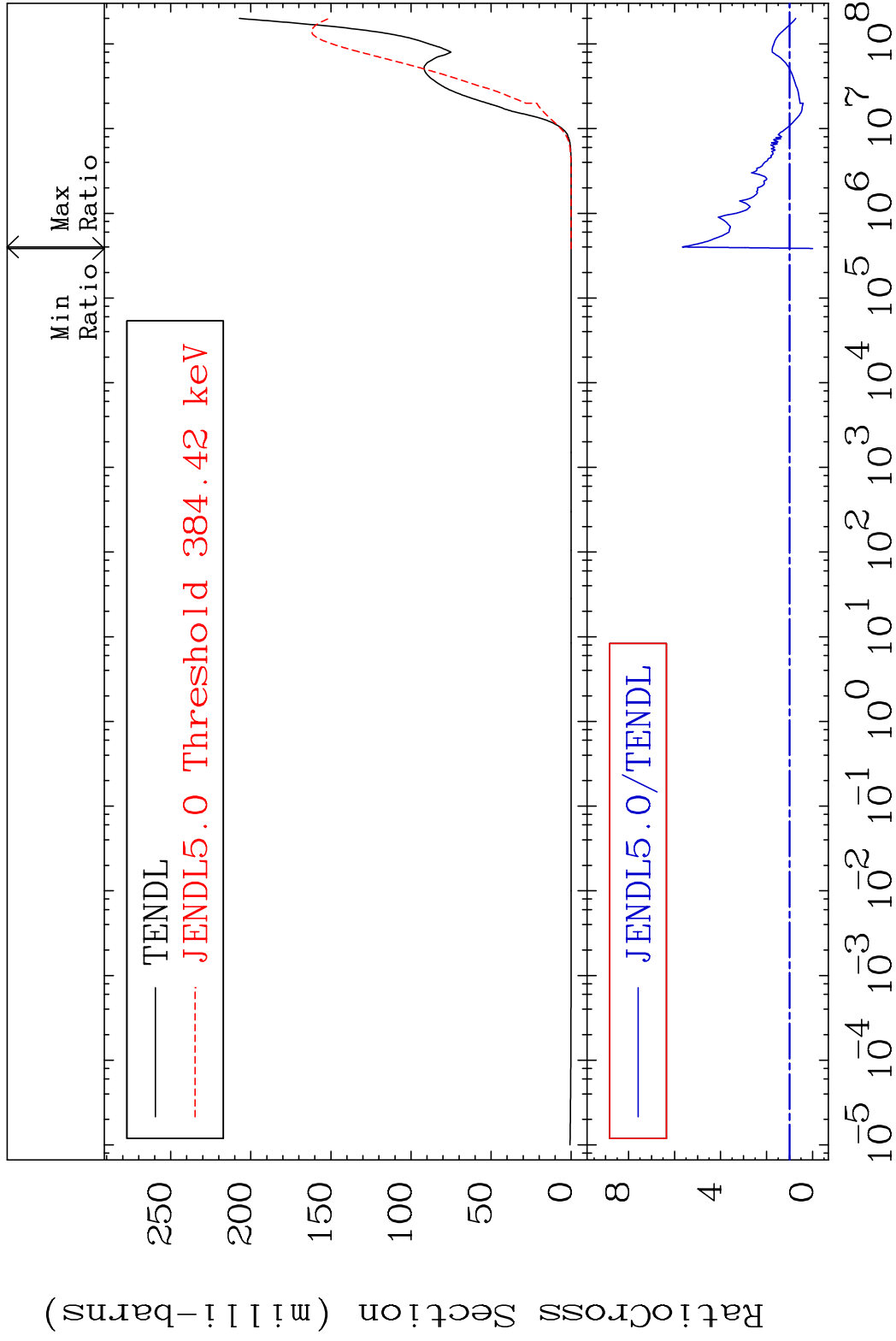
41-Nb-94

MAT 4128

He-4 Production

41-Nb-94

Cross Section -100.0 To 466.1 %

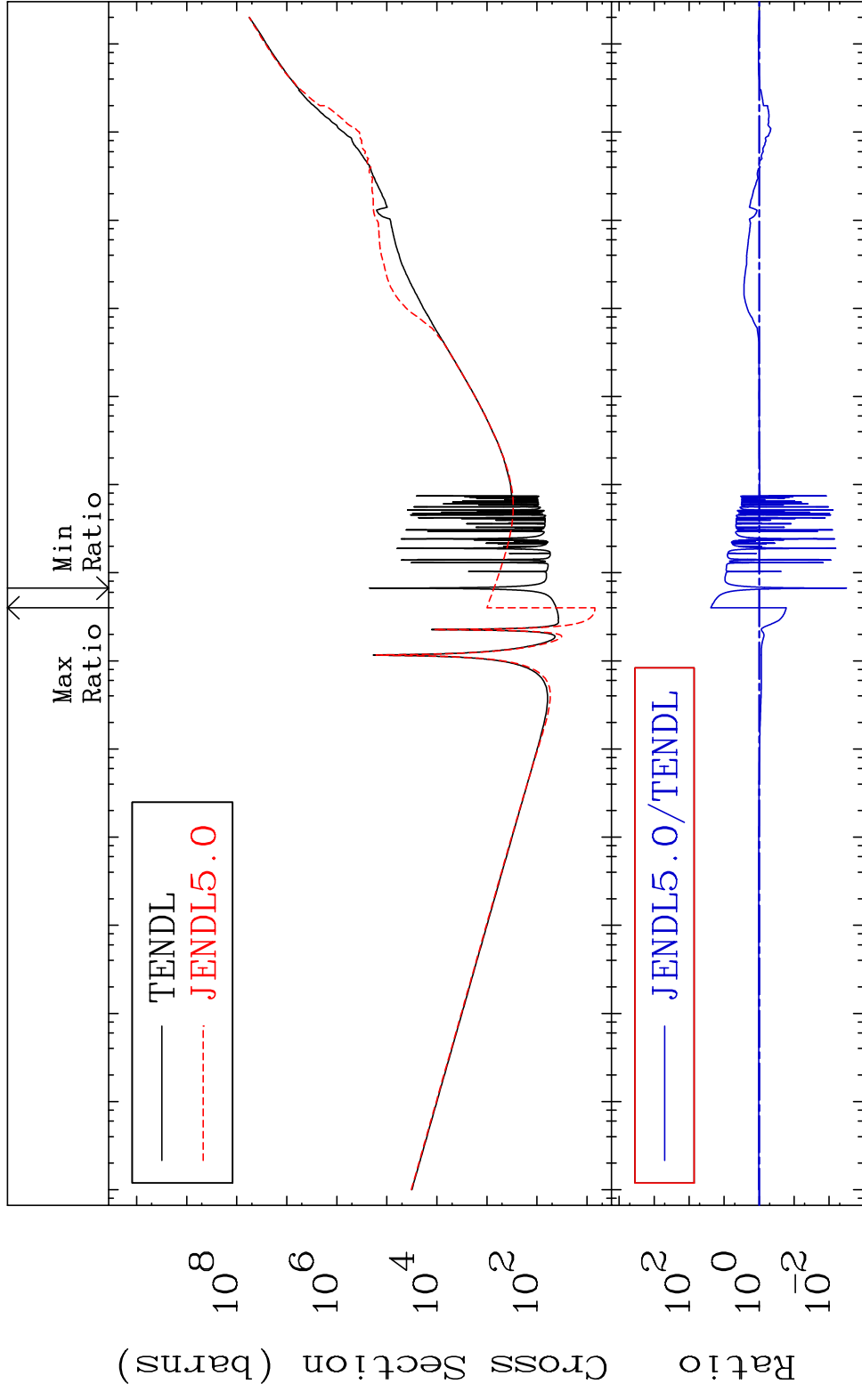


53

Incident Energy (eV)

41-Nb-94

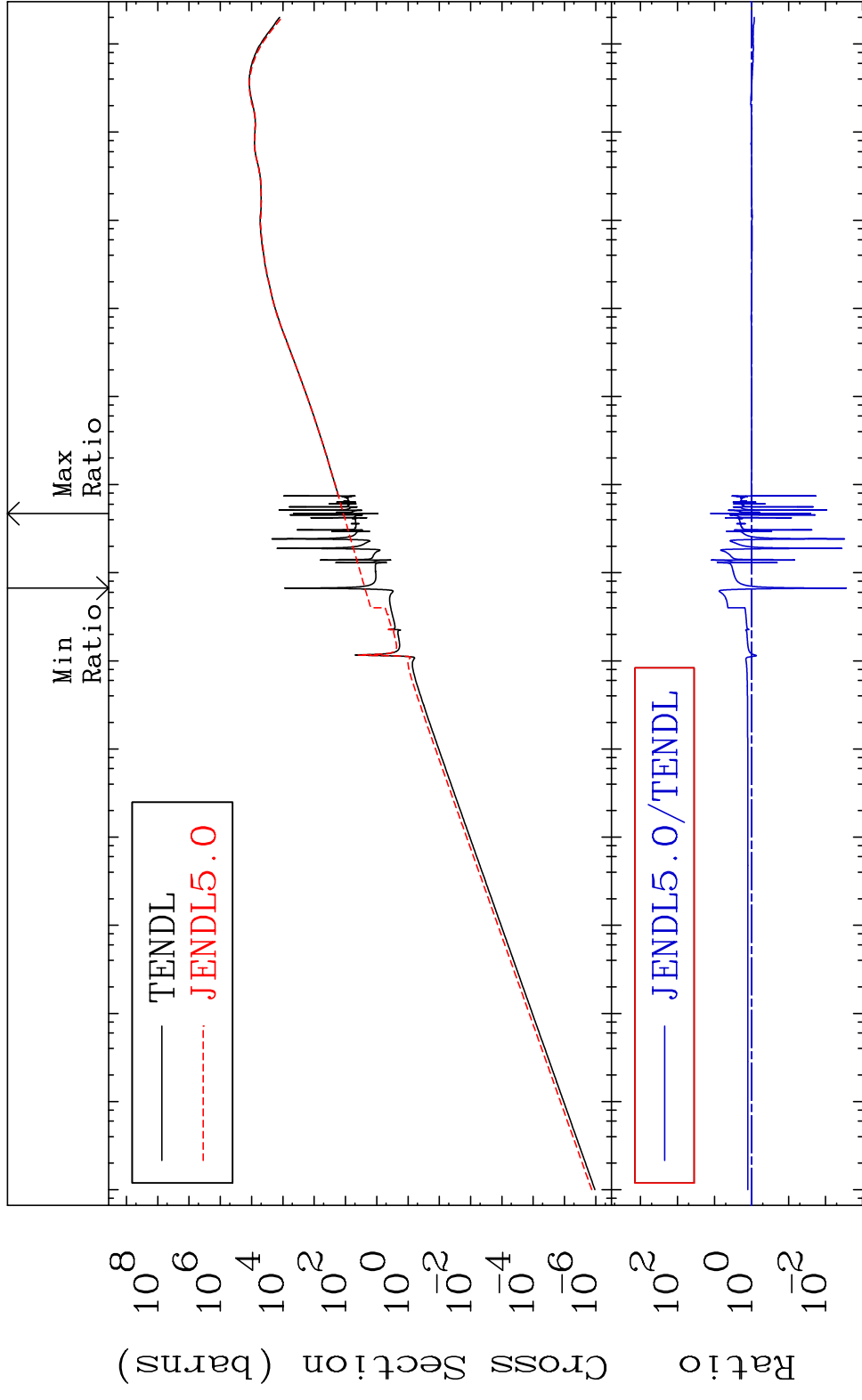
MAT 4128 Kerma total (eV-barns) 41-Nb-94
 Cross Section -99.68 To 2317. %



54 Incident Energy (eV) 41-Nb-94

MAT 4128

Kerma elastic Cross Section -99.72 To 1170. %
41-Nb-94

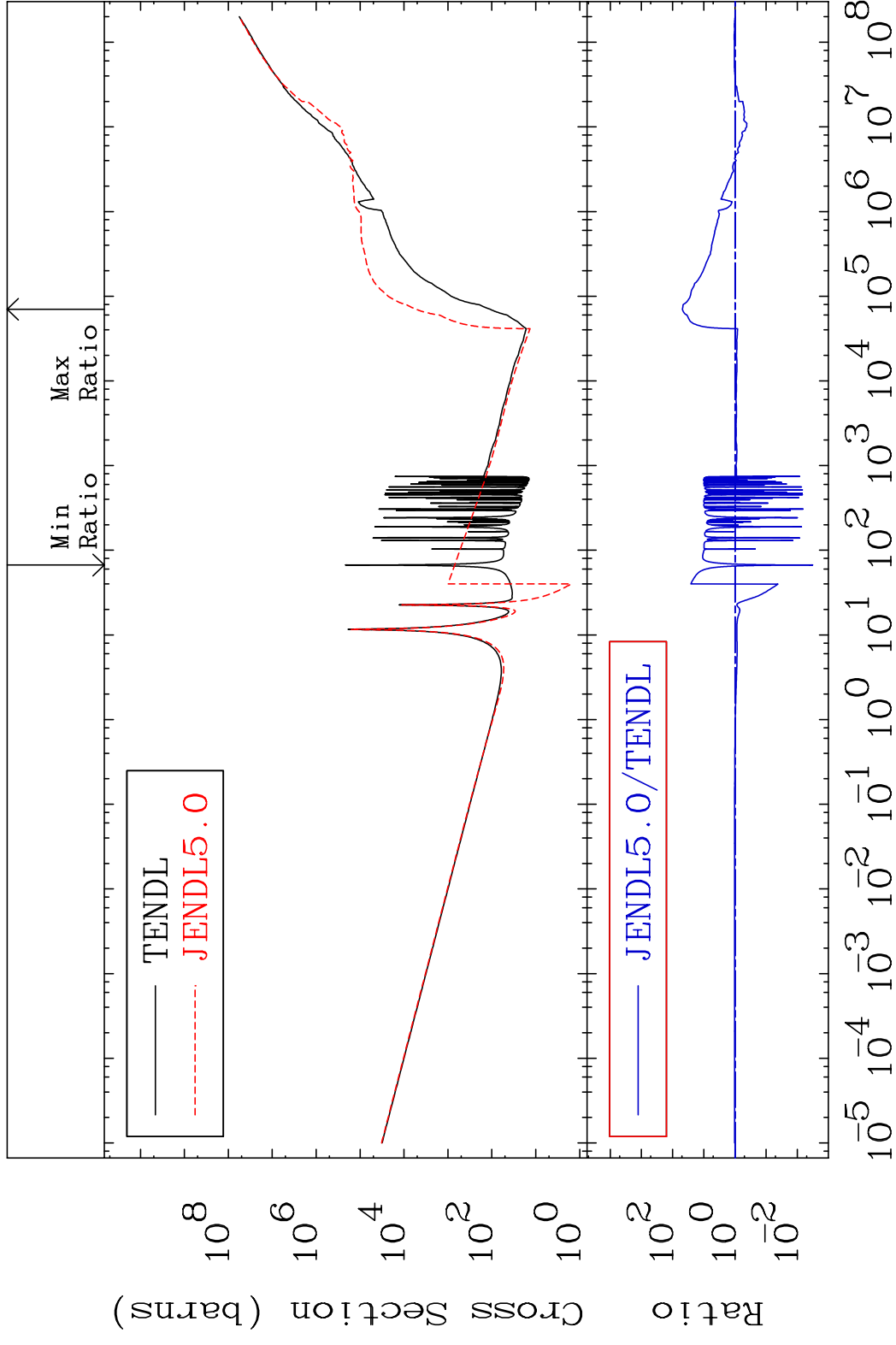


55

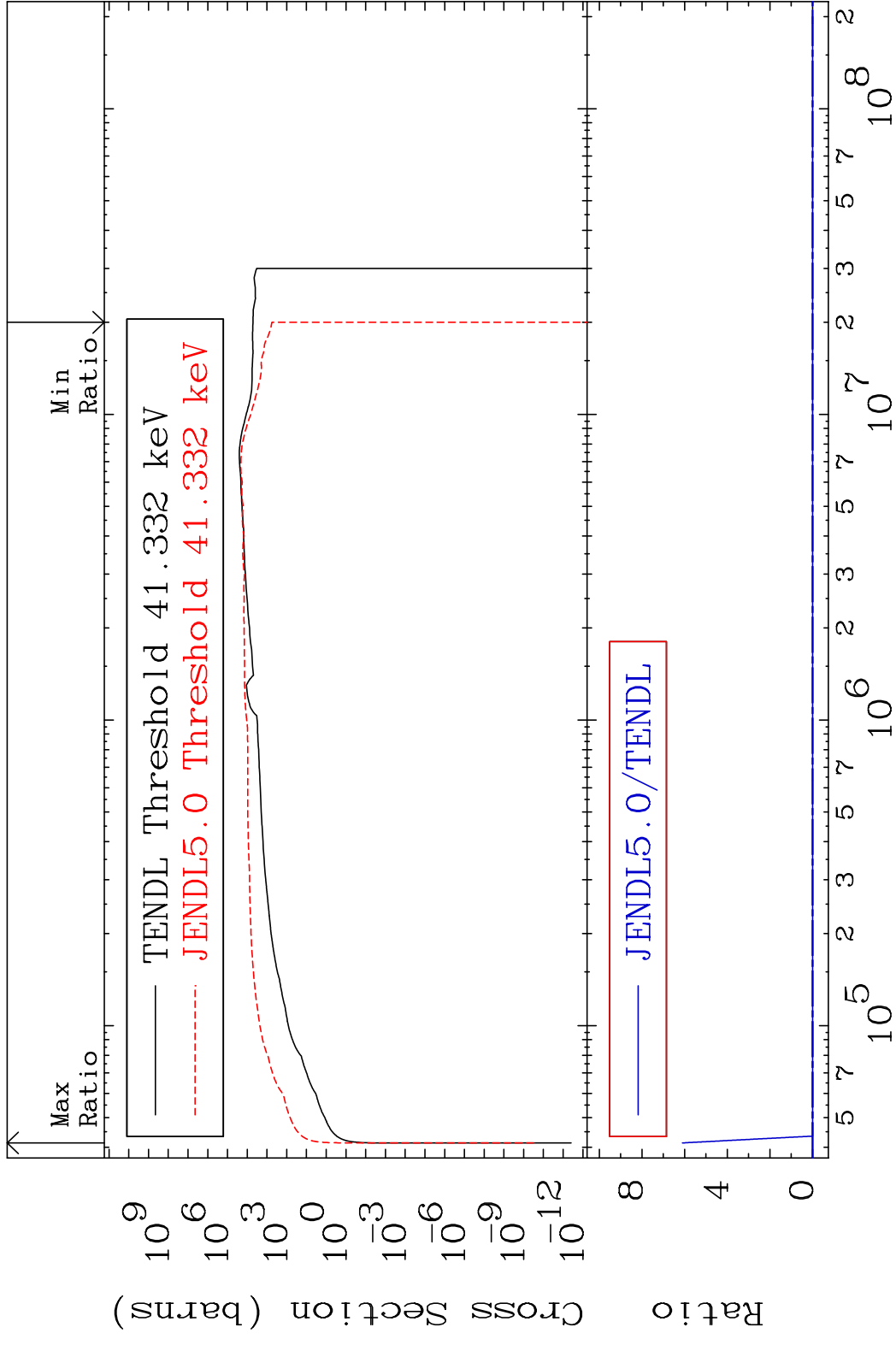
Incident Energy (eV)

41-Nb-94

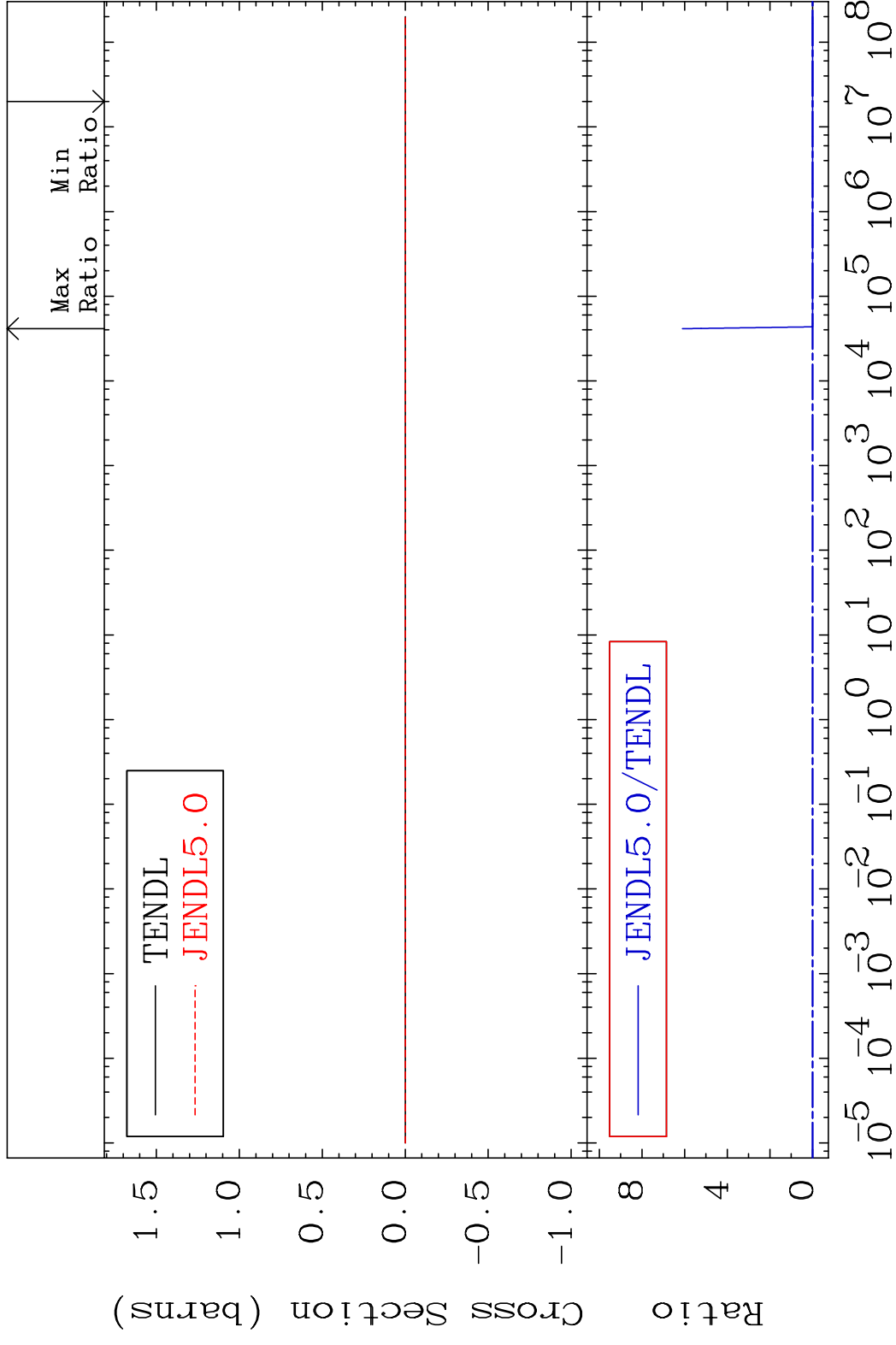
MAT 4128 Kerma non-elastic (all but mt2) 41-Nb-94
 Cross Section -99.67 To 4762. %



MAT 4128 Kerma inelastic (mt51-91) 41-Nb-94
 Cross Section -100.0 To 9999. %

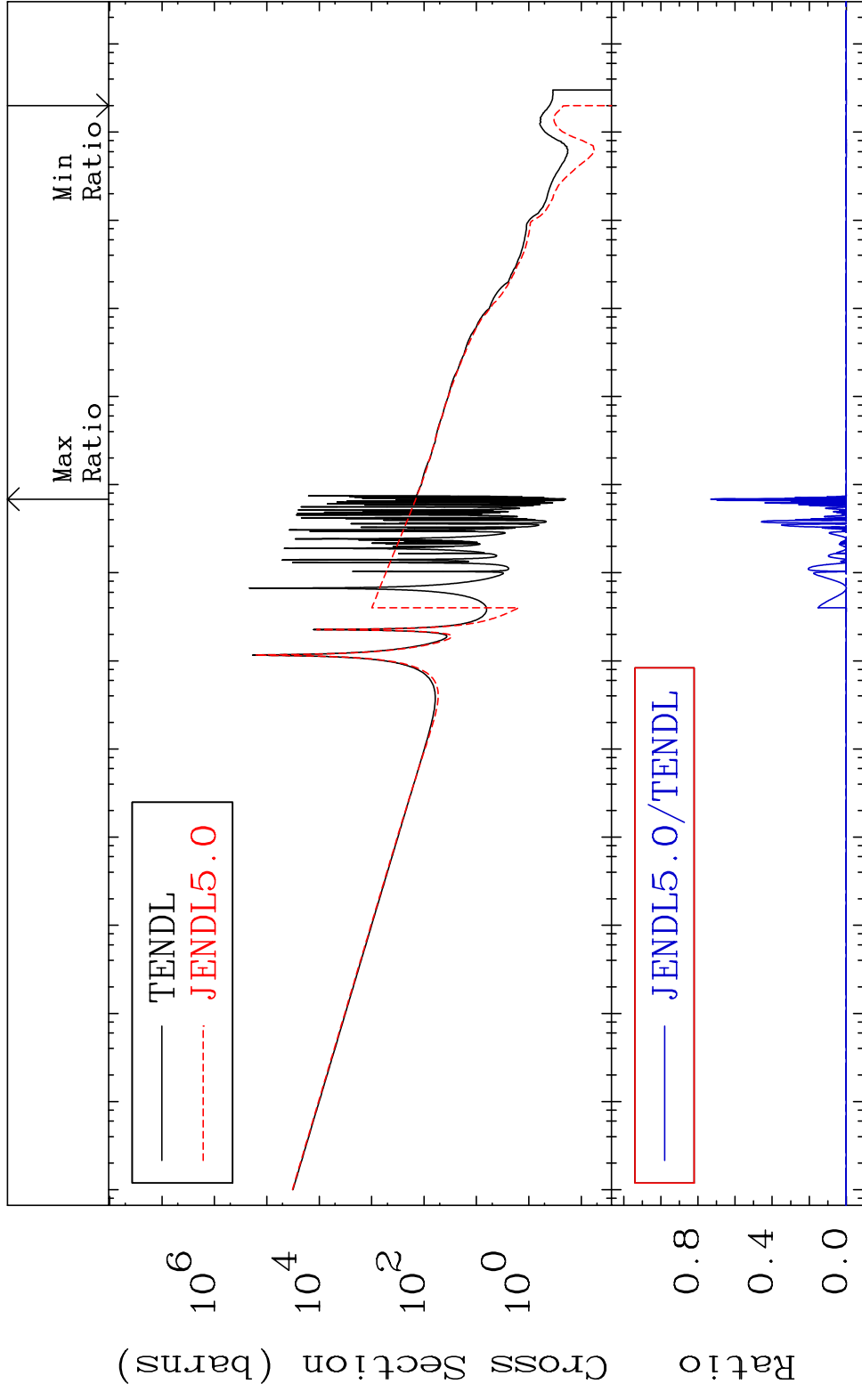


MAT 4128 Kerma fission (mt18 or mt19-20-21-38) 41-Nb-94
 Cross Section -100.0 To 9999. %



MAT 4128

Kerma capture (mt102) 41-Nb-94
Cross Section -100.0 To 9999. %

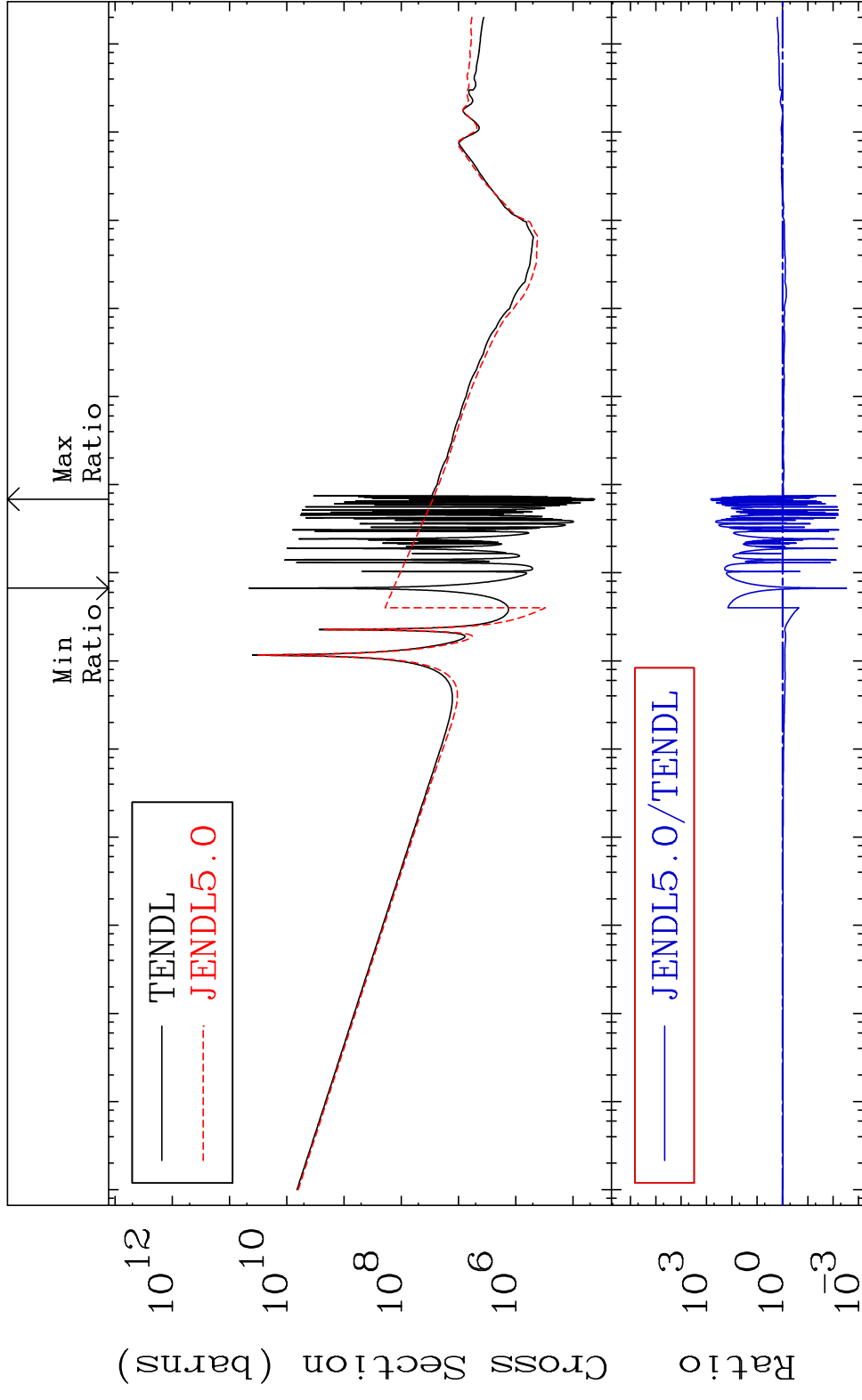


59

Incident Energy (eV)

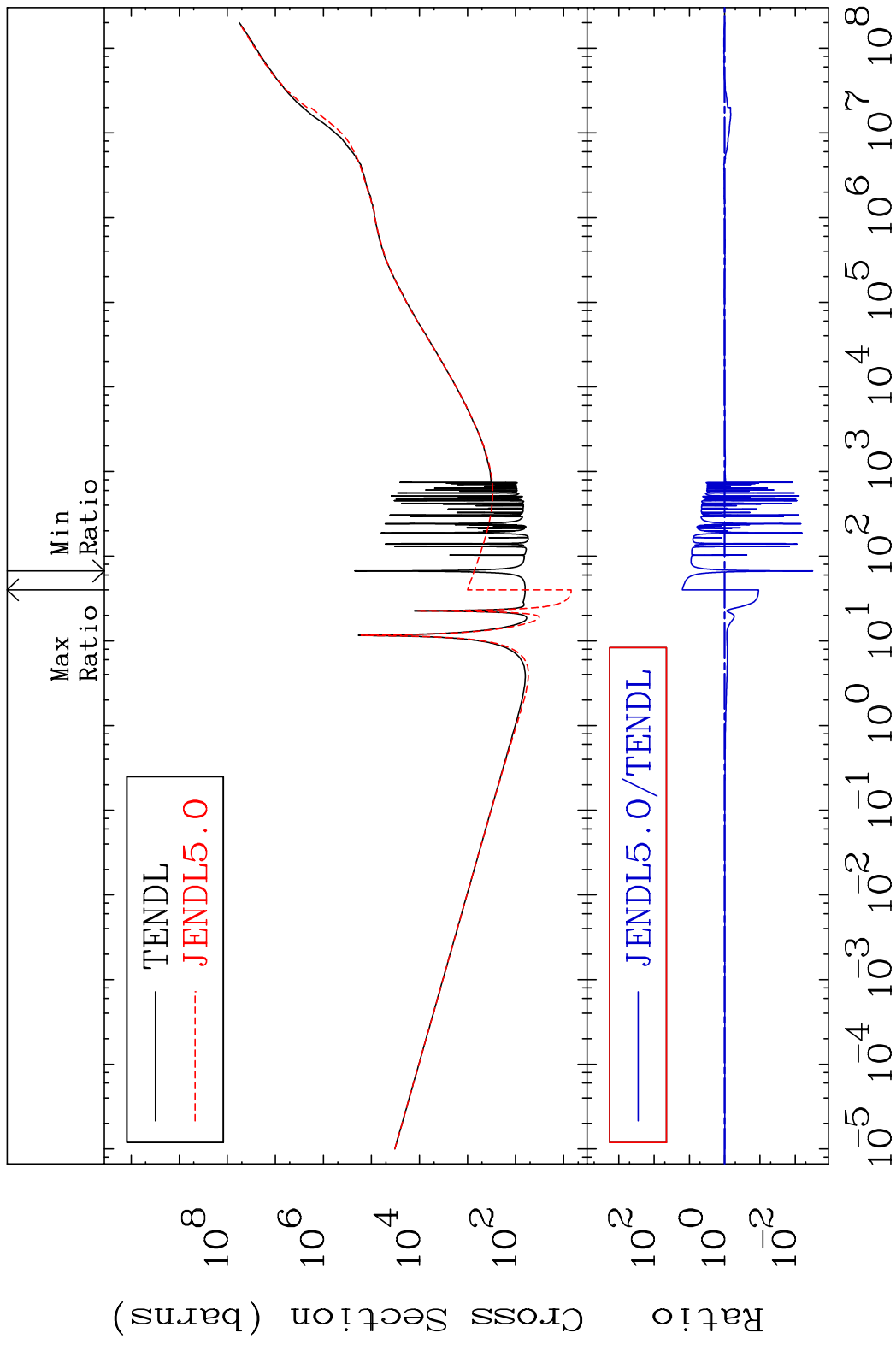
41-Nb-94

MAT 4128 Total photon (eV-barns) 41-Nb-94
 Cross Section -99.70 To 9999. %

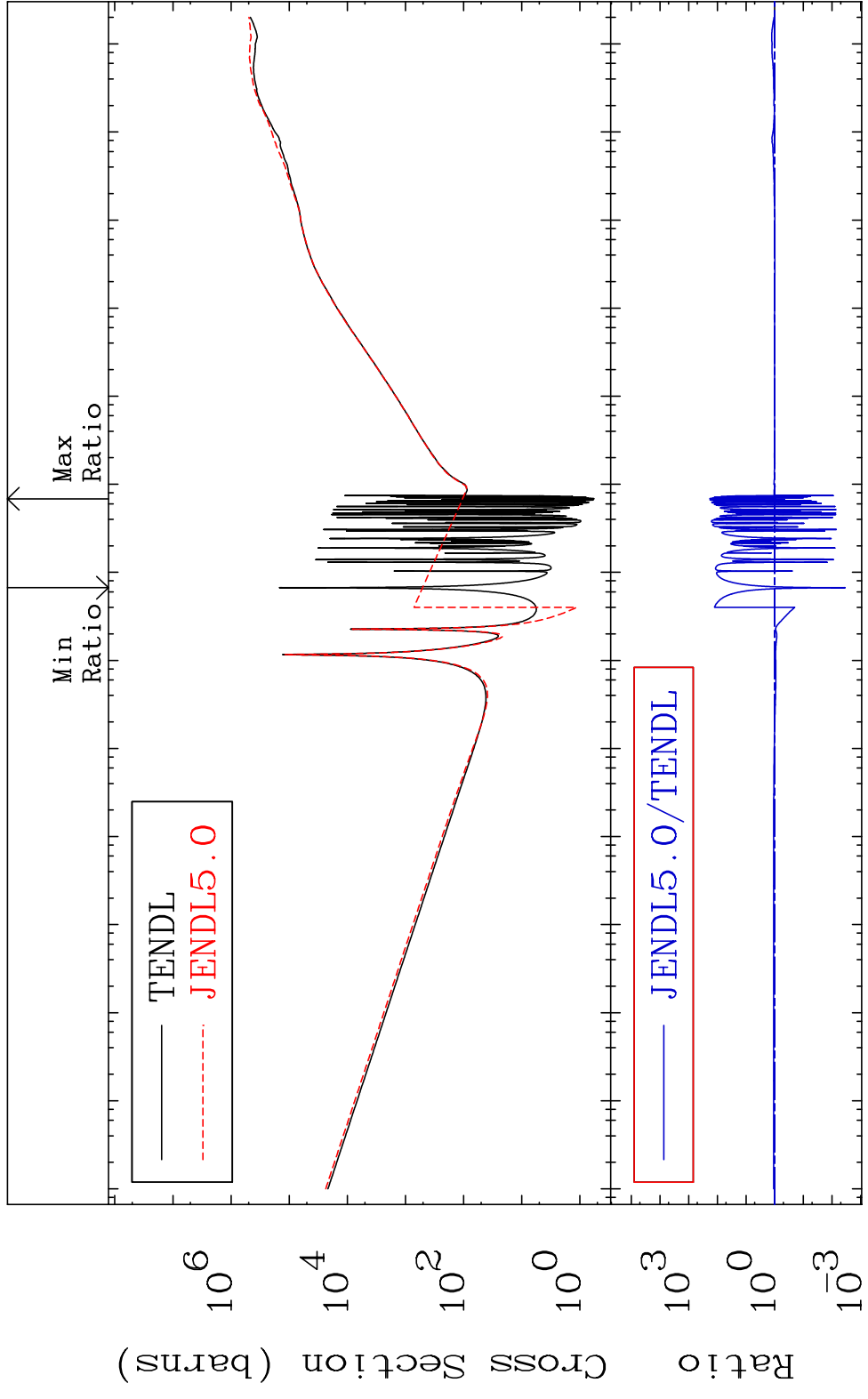


60 Incident Energy (eV) 41-Nb-94

MAT 4128 Total kinematic kerma (high limit) 41-Nb-94
Cross Section -99.68 To 1484. %



MAT 4128 Dpa total (eV-barns) 41-Nb-94
 Cross Section -99.65 To 9999. %

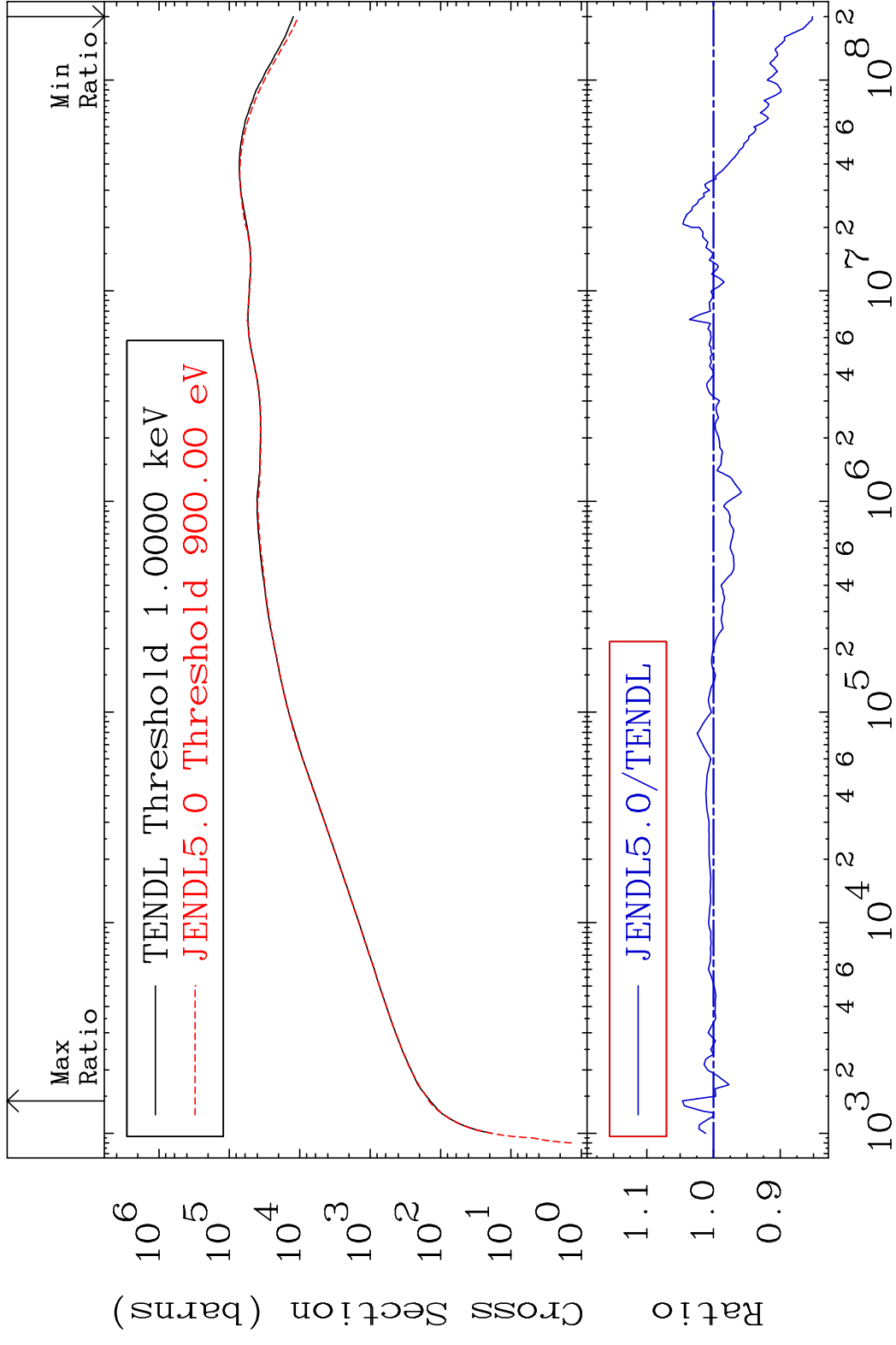


MAT 4128

Dpa elastic (mt2)

41-Nb-94

Cross Section -14.85 To 4.670 %

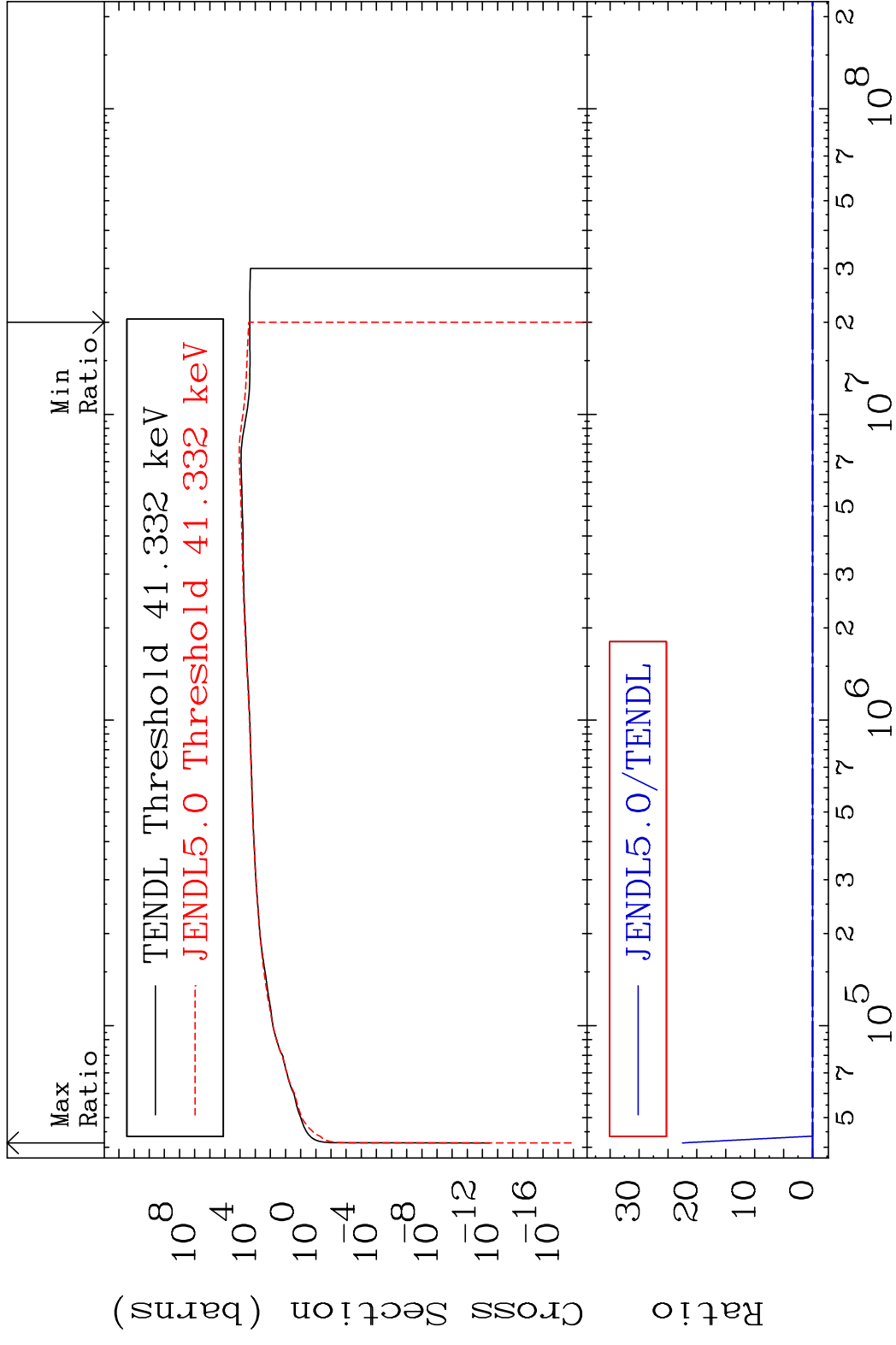


63

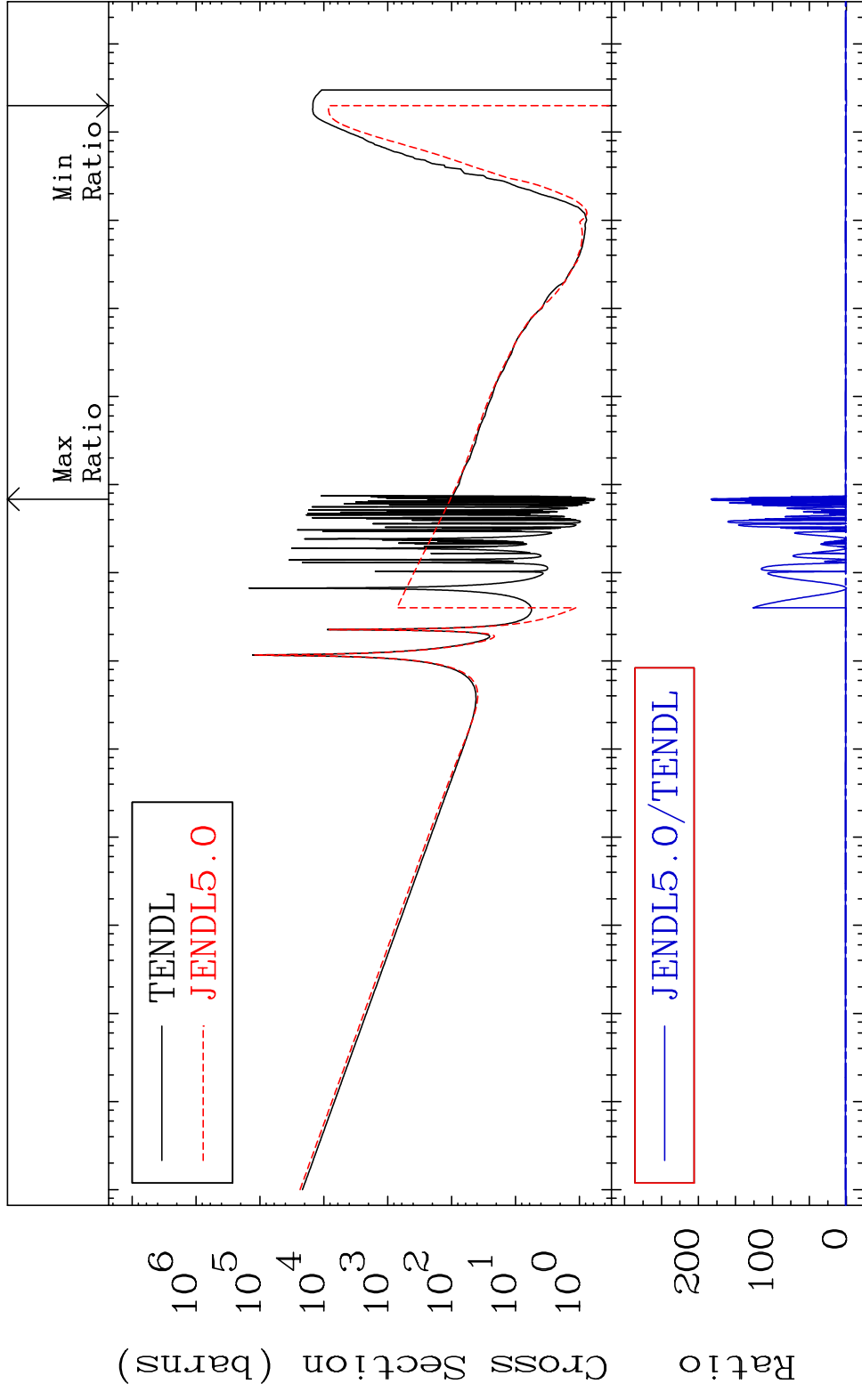
Incident Energy (eV)

41-Nb-94

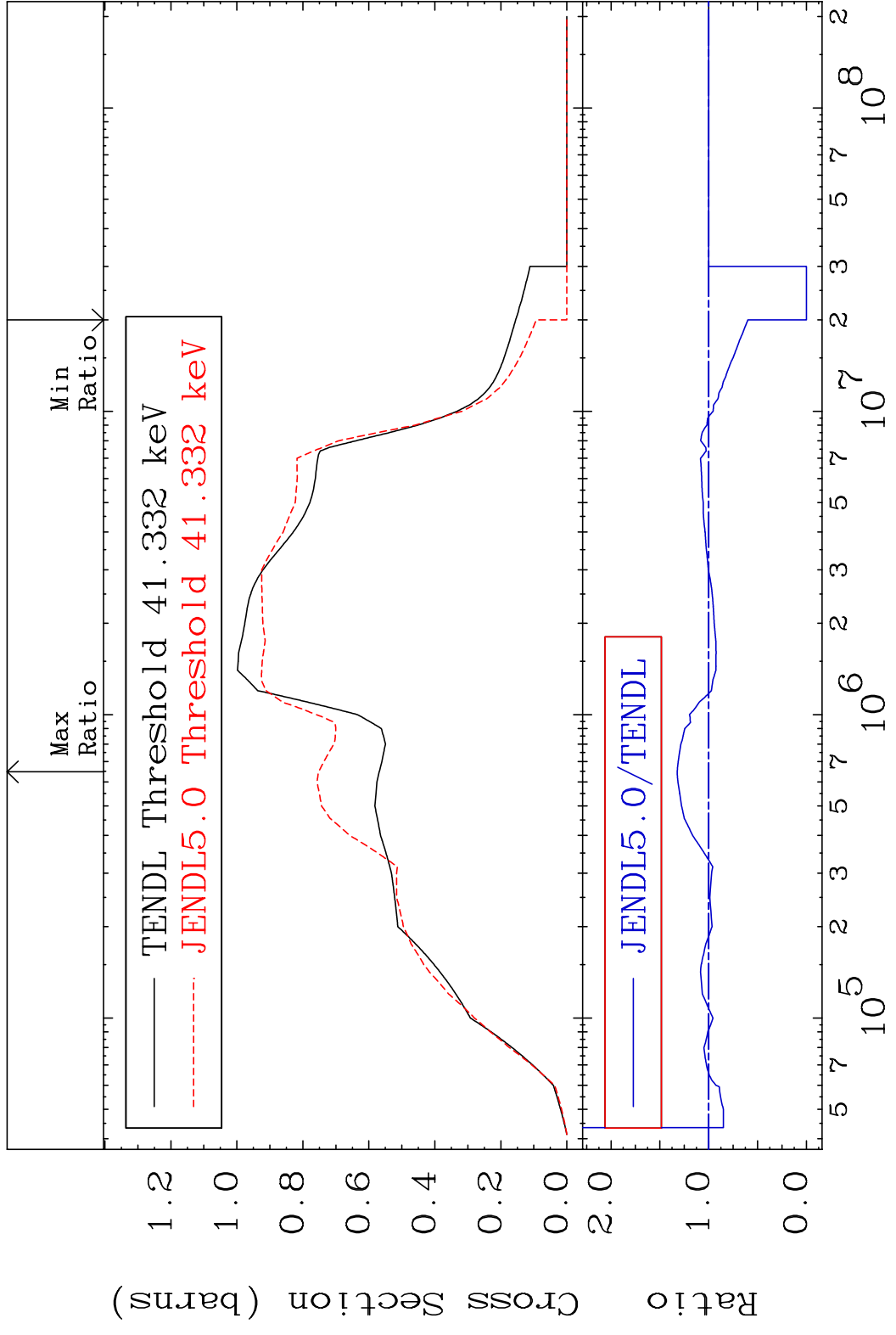
MAT 4128 Dpa inelastic (mt51-91) 41-Nb-94
 Cross Section -100.0 To 9999. %



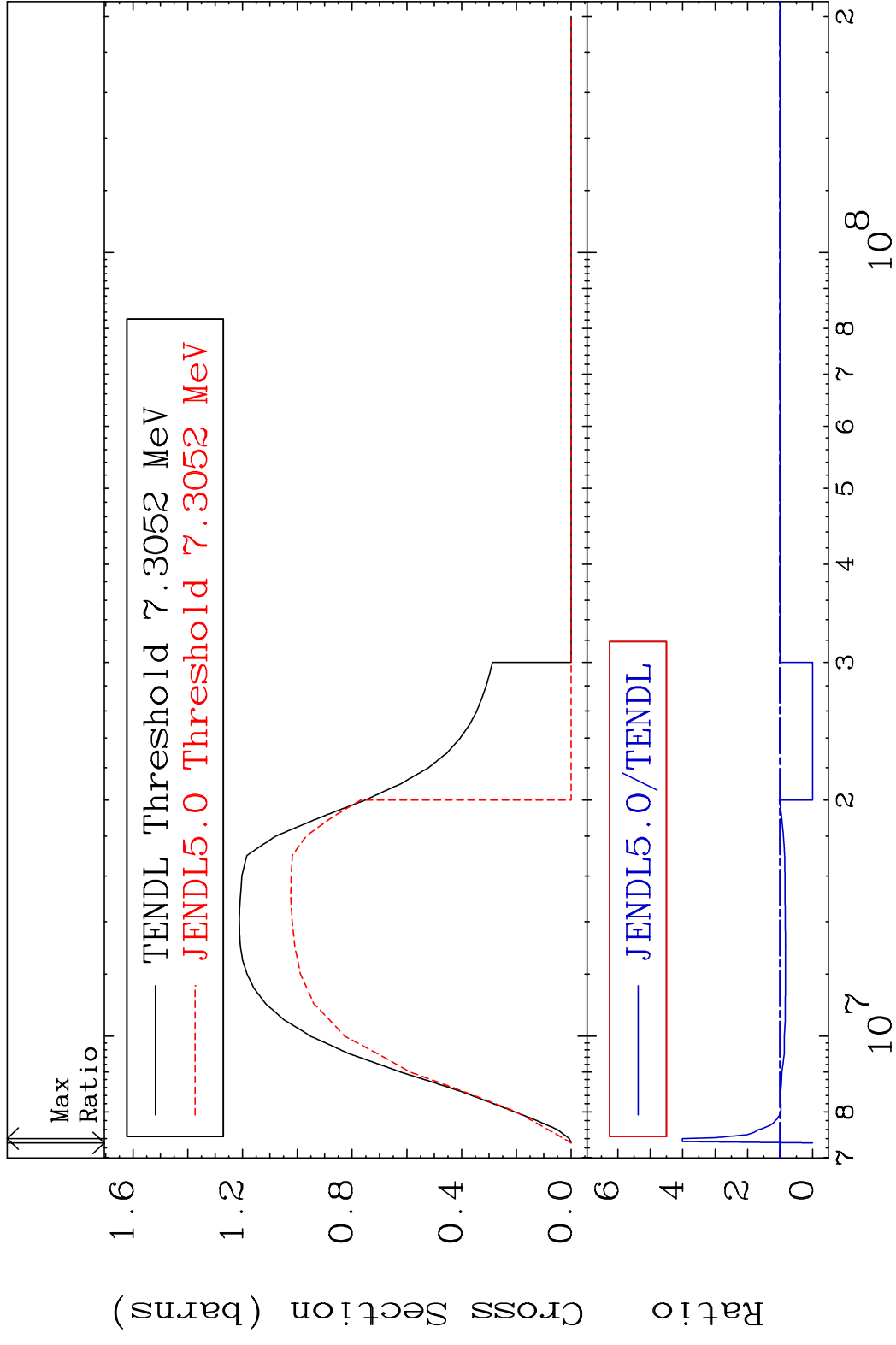
MAT 4128 Dpa disappearance (mt102 -120) 41-Nb-94
 Cross Section -100.0 To 9999. %



65 Incident Energy (eV) 41-Nb-94

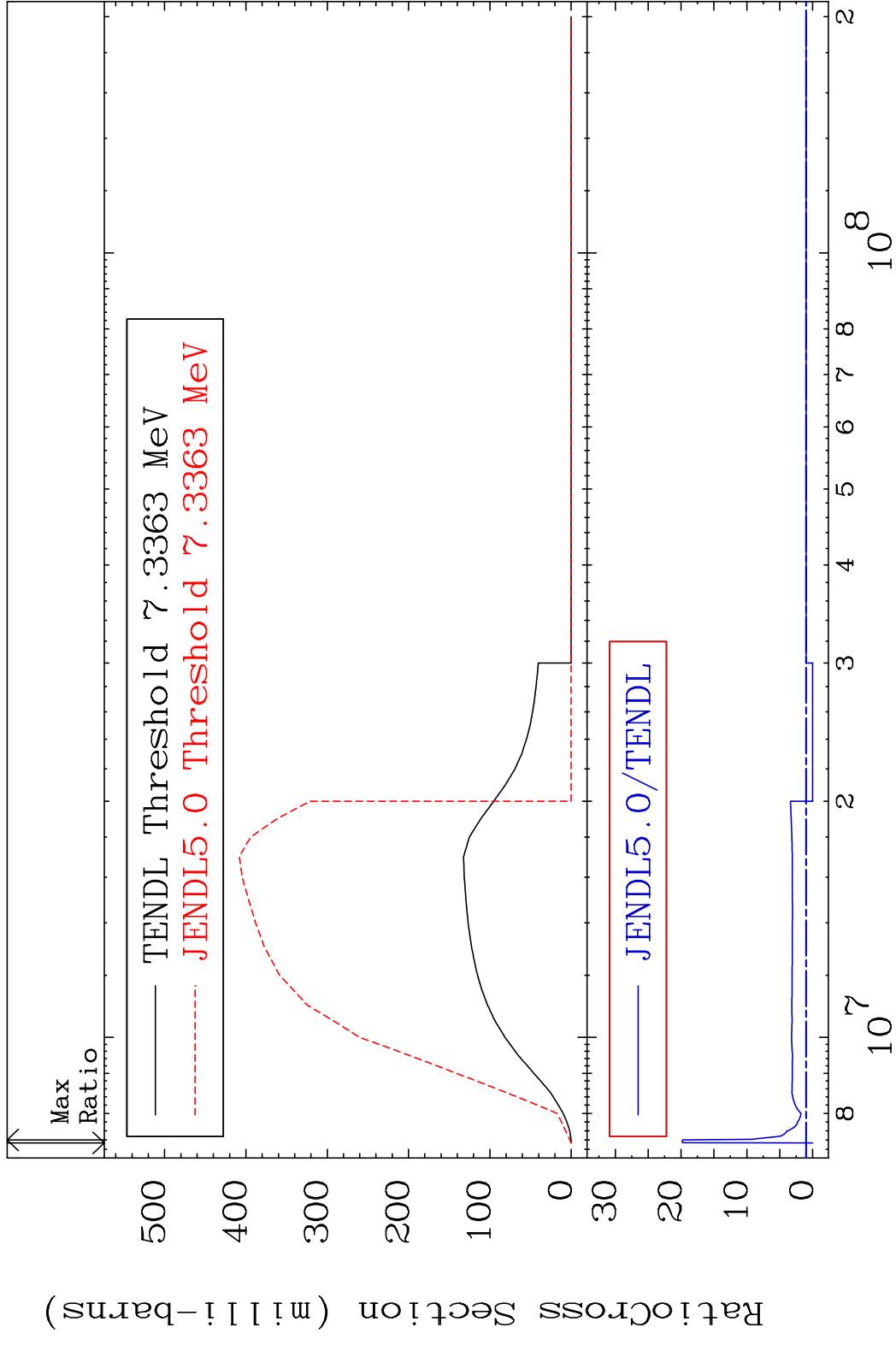


MAT 4128 (n,2n):41-Nb-93g 41-Nb-94
 Radionuclide Production Cross Section 180.0 dth 301.0 %

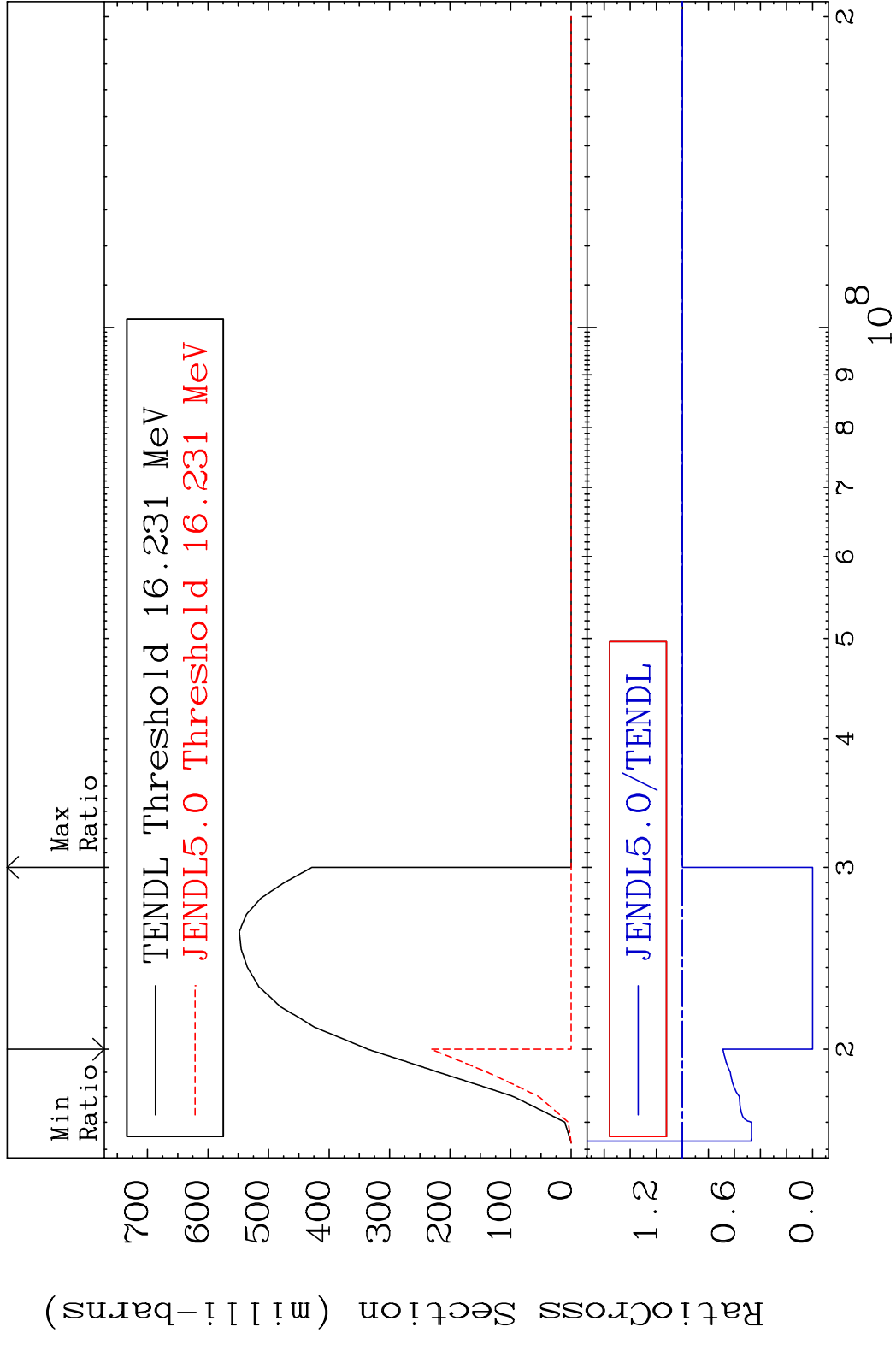


67 Incident Energy (eV) 41-Nb-94

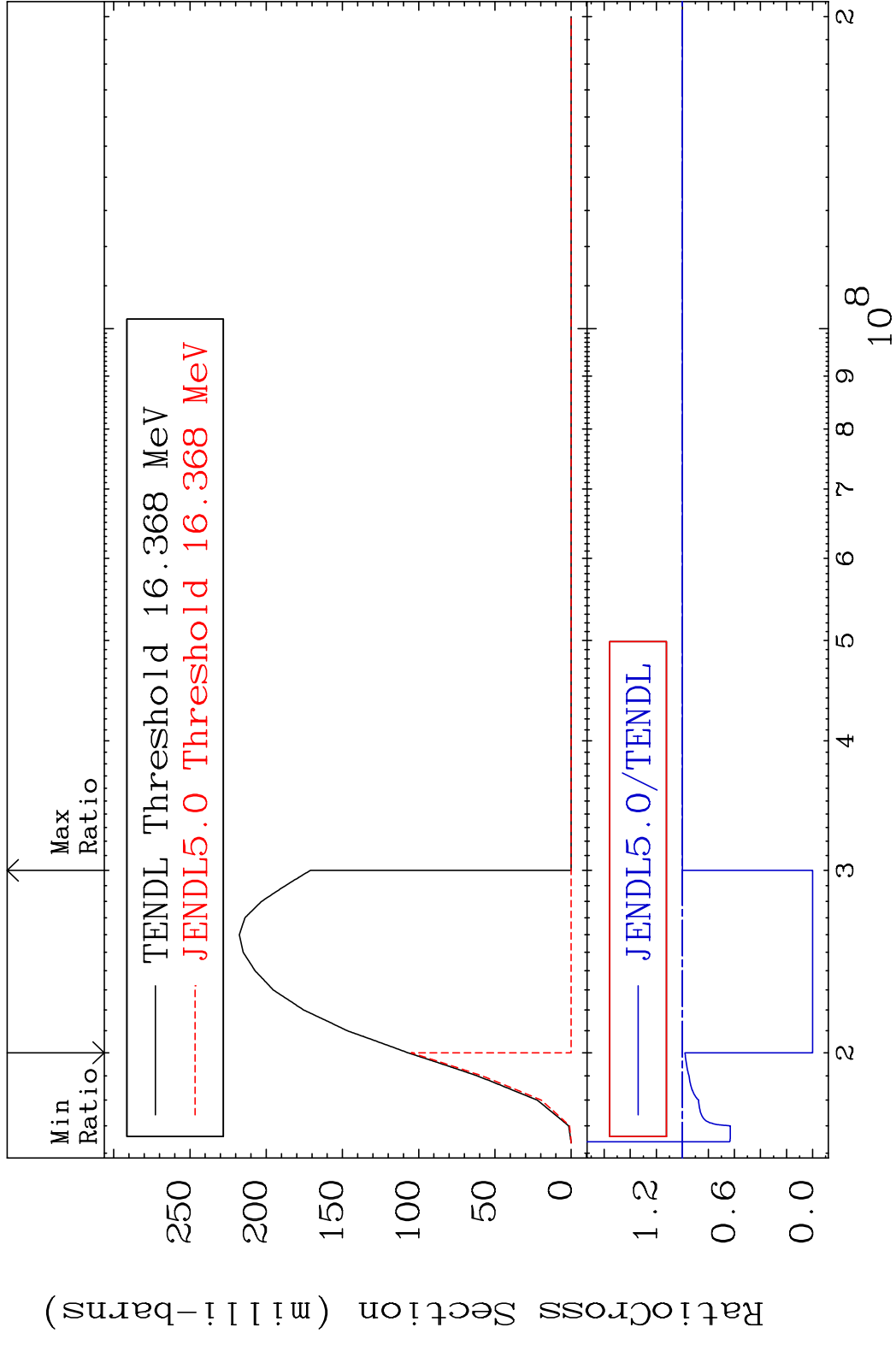
MAT 4128 (n,2n):41-Nb-93m1 41-Nb-94
 Radionuclide Production Cross Section Ratio 1881.0 %



68 Incident Energy (eV) 41-Nb-94

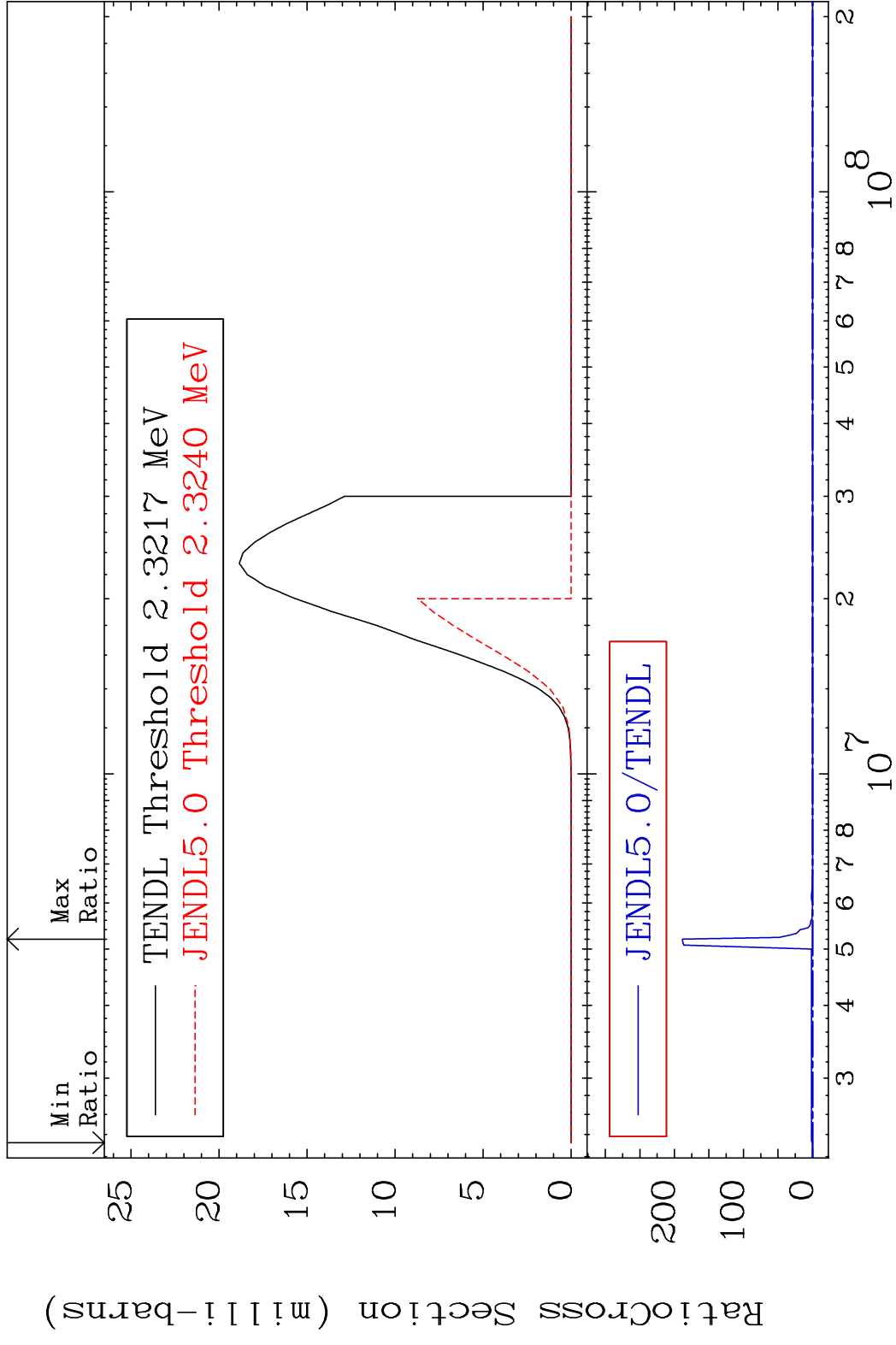


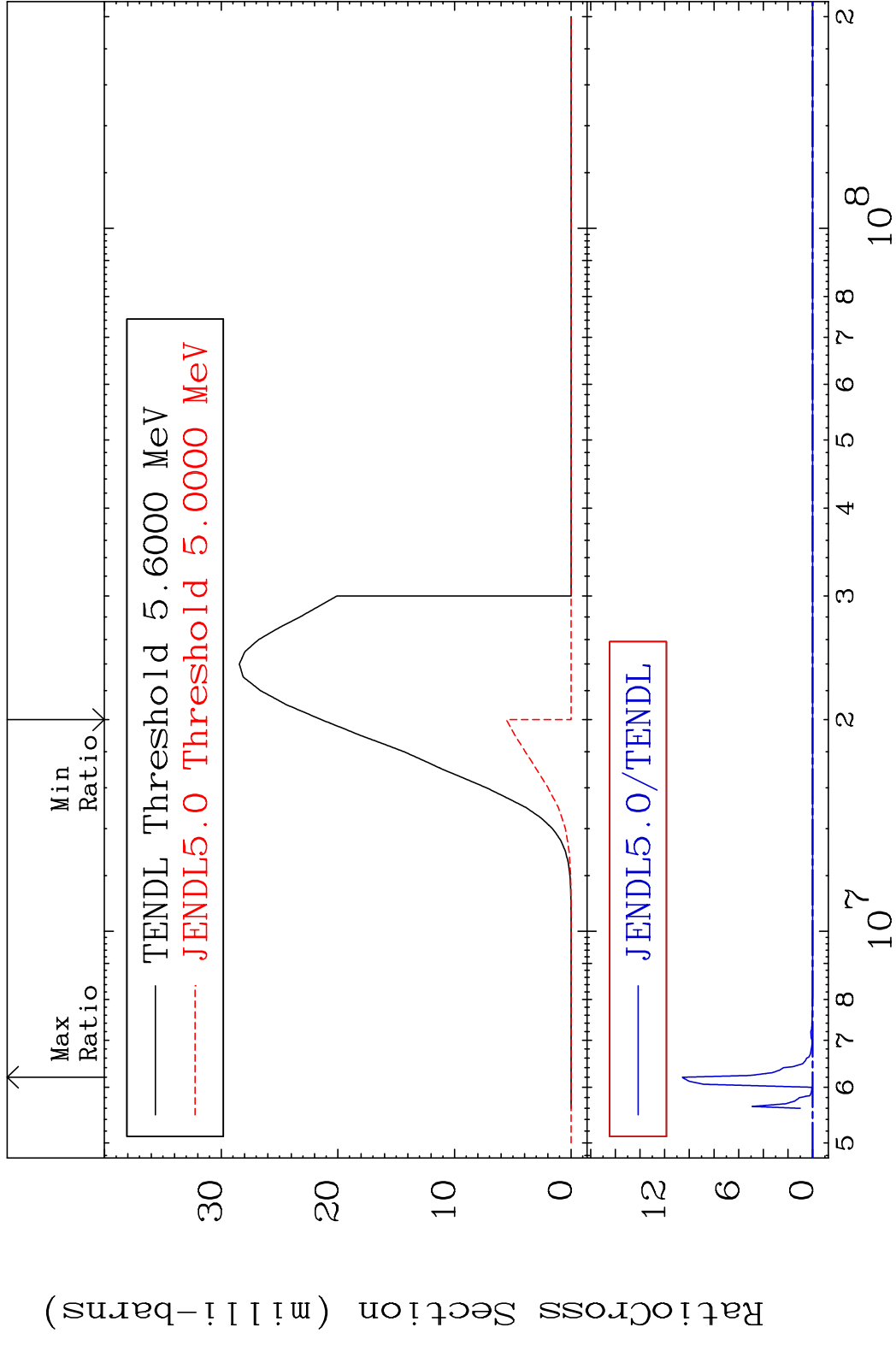
MAT 4128 (n,3n):41-Nb-92m1 41-Nb-94
 Radionuclide Production Cross Section Ratio 0.000 %



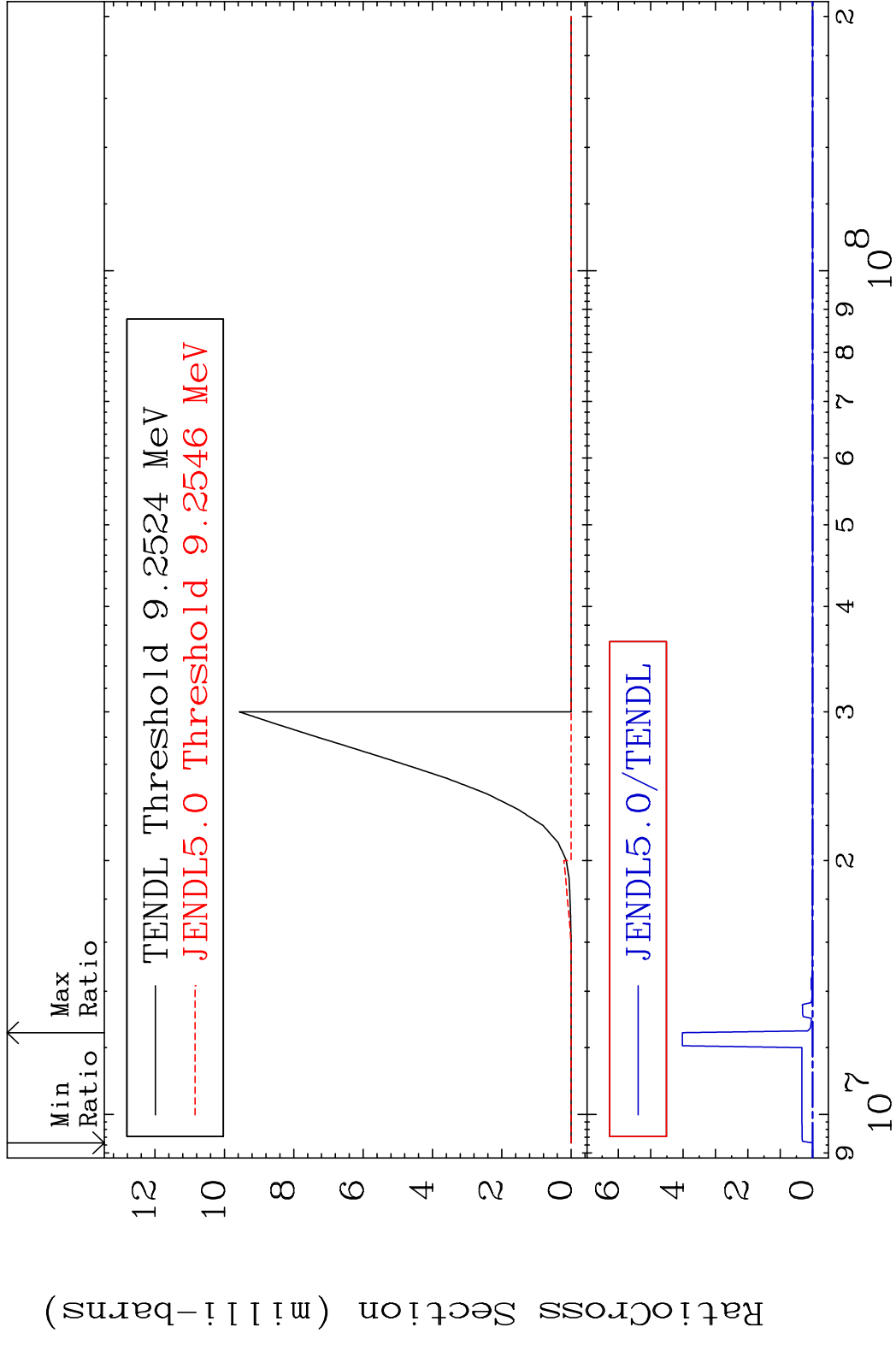
70 Incident Energy (eV) 41-Nb-94

MAT 4128 (n, n') α :39-Y -90g 41-Nb-94
 Radionuclide Production Cross Section 18000 dth 9999. %





MAT 4128 (n,2n) α :39-Y -89g 41-Nb-94
 Radionuclide Production Cross Section 100.00 dth 9999. %



73 Incident Energy (eV) 41-Nb-94

